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TABLES OF COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY APPLICATIONS

by Darl D. Bien

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Cleveland, Ohio

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16. Abstract Extensive tables of component reliabilities required for a specified system reliability are presented for systems whose reliability is expressible by the binomial distribution. These six-place tables cover a range of system reliabilities from 0.80 to 0.9999 for systems of 2 to 1000 components. The short and efficient computer program used to generate the binomial reliability parameter is included together with instructions for its use. Applications of these same techniques to sampling plans and confidence intervals are also given.		
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CONTENTS

	Page
SUMMARY	1
INTRODUCTION	1
SYMBOLS	2
THEORY.	3
r or More Successes	3
c or Fewer Successes	4
METHOD OF SOLUTION	5
General	5
Newton-Raphson Method	6
APPLICATION	8
CONCLUDING REMARKS	10
APPENDIXES	
A - FORTRAN PROGRAM	11
B - ADDITIONAL APPLICATIONS.	20
REFERENCES	24
TABLE I. - COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY	26

TABLES OF COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY APPLICATIONS

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SUMMARY

Tables of component reliabilities required for a specified system reliability are presented for systems whose reliability is expressible by the binomial distribution. The tables have six-place accuracy and cover system reliabilities of 0.80, 0.90, 0.95, 0.975, 0.99, 0.995, 0.999, 0.9995, and 0.9999. Systems consisting of the following numbers of components are included: 2, 3, 4, . . . , 50; 52, 54, 56, . . . , 100; 110, 120, 130, . . . , 500; 525, 550, 575, . . . , 1000.

The short and efficient FORTRAN IV language computer program utilizing the Newton-Raphson iterative procedure for binomial parameter determination is presented together with instructions for its use. Examples of its usefulness in the areas of sampling plans and confidence intervals are also given.

INTRODUCTION

One way to achieve high reliability for complex systems is to use redundancy. A system of n components which functions only if at least r components function is called an r -out-of- n system (ref. 1). If all components have the same reliability p and if component failures are independent, the reliability of an r -out-of- n system is the probability that at least r of the n components perform successfully. This is the cumulative binomial probability:

$$\sum_{x=r}^n \frac{n!}{x! (n-x)!} p^x (1-p)^{n-x}$$

Frequently, in system design work, system reliability is specified. The component designer in turn needs to determine the component reliability p which is compatible

with the system reliability; that is, he needs to solve for p as a function of the number of components n , the minimum number required to operate successfully r , and the system reliability. This is referred to as determining the parameter of the cumulative binomial distribution. The determination of the cumulative binomial parameter is of interest in such other areas as sampling plans and confidence interval calculations.

The determination of p can be approximated by interpolation in existing tables of the cumulative binomial distribution (such as refs. 2 to 7), tables of the incomplete beta function (such as refs. 8 and 9), or tables of the F-distribution (such as refs. 9 and 10). Since the cumulative binomial distribution can be approximated by the normal or Poisson distributions under certain conditions on n and p , tables such as references 9 and 11 can be used for an approximate determination of p . References 12 and 13 contain charts of the cumulative binomial distribution from which values of the parameter p can be read with limited accuracy. References 14 and 15 contain tables of p but they cover only a small range of variables.

The primary purpose of this report is to present extensive tables of the parameter p of the cumulative binomial distribution covering a range of variables of particular interest in reliability redundancy applications. The computer program used to determine p is also presented in order that the user may generate tables of particular interest and because of the program's versatility in a variety of other problems. The program deck can be obtained from COSMIC Computer Center, University of Georgia, Athens, Georgia 30601. Examples of program usage are shown for confidence interval and sampling plan applications in addition to the redundancy application.

SYMBOLS

c	upper limit on binomial summation; acceptance number in single binomial sampling plans
n	number of components in system; sample size
P_a	probability of lot acceptance in single binomial sampling plans
$\Pr(X = x n, p)$	probability of x successes in a system or sample of size n , where individual component reliability or item success probability is p
p	component reliability; item success probability; sample fraction defective in single binomial sampling plans
r	lower limit on binomial summation; minimum number of successes allowed
X	random variable

x value that X can take

1 - α confidence coefficient

Subscripts:

j iteration number

l lower

u upper

0 initial value

THEORY

The binomial distribution is a suitable model for determining the reliability of an r-out-of-n system. If all components are assumed to have the same reliability p and component failures to be independent events, the probability of exactly x successes among the n components is given by

$$\Pr(X = x | n, p) = \binom{n}{x} p^x (1 - p)^{n-x} \quad (1)$$

The factor $\binom{n}{x}$ represents the number of combinations of n things taken x at a time; that is,

$$\binom{n}{x} = \frac{n!}{x! (n - x)!} \quad (2)$$

r or More Successes

The cumulative binomial probability of r or more successes among the n components is found by summation of x from r to n in equation (1); that is,

$$\Pr(X \geq r | n, p) = \sum_{x=r}^n \binom{n}{x} p^x (1 - p)^{n-x} \quad (3)$$

This equation for the reliability of an r-out-of-n system reduces to the reliability of a series system when $r = n$ and a parallel system when $r = 1$. Since the summation of equation (1) from $x = 0$ to $x = n$ must be 1, equation (3) can be rewritten as

$$\Pr(X \geq r | n, p) = 1 - \sum_{x=0}^{r-1} \binom{n}{x} p^x (1-p)^{n-x} \quad (4)$$

The summations in equations (3) and (4) can be rewritten in terms of cumulative binomial distributions with parameters n and $1 - p$ to give, respectively,

$$\Pr(X \geq r | n, p) = \sum_{x=0}^{n-r} \binom{n}{x} (1-p)^x p^{n-x} \quad (5)$$

and

$$\Pr(X \geq r | n, p) = 1 - \sum_{x=n-r+1}^n \binom{n}{x} (1-p)^x p^{n-x} \quad (6)$$

Since equations (3) to (6) are equivalent, the preferred choice among them for computer use is the equation containing the fewest terms in the expansion of the summation. The use of this preferred equation results in minimizing the computation time as well as the accumulated computer roundoff error. The summations in equations (3) and (5) each contain $n - r + 1$ terms, while the summations in equations (4) and (6) consist of r terms each. Therefore, equations (3) to (6) contain the same number of terms when $r = (n + 1)/2$. For r values greater than or equal to $(n + 1)/2$, equations (3) and (5) are preferred; for values of r less than $(n + 1)/2$, equations (4) and (6) are preferred.

c or Fewer Successes

The cumulative binomial probability of c or fewer successes among the n components is found by summation of x from 0 to c in equation (1); that is,

$$\Pr(X \leq c | n, p) = \sum_{x=0}^c \binom{n}{x} p^x (1-p)^{n-x} \quad (7)$$

Since the summation of equation (1) from $x = 0$ to $x = n$ must be 1, equation (7) can be rewritten as

$$\Pr(X \leq c | n, p) = 1 - \sum_{x=c+1}^n \binom{n}{x} p^x (1-p)^{n-x} \quad (8)$$

The summations in equations (7) and (8) can also be rewritten in terms of cumulative binomial distributions with parameters n and $1-p$ to give, respectively,

$$\Pr(X \leq c | n, p) = \sum_{x=n-c}^n \binom{n}{x} (1-p)^x p^{n-x} \quad (9)$$

and

$$\Pr(X \leq c | n, p) = 1 - \sum_{x=0}^{n-c-1} \binom{n}{x} (1-p)^x p^{n-x} \quad (10)$$

The summations in equations (7) and (9) each contain $c+1$ terms, while the summations in equations (8) and (10) consist of $n-c$ terms each. Therefore, equations (7) to (10) contain the same number of terms when $c = (n-1)/2$. For c values less than or equal to $(n-1)/2$, equations (7) and (9) are preferred; for values of c greater than $(n-1)/2$, equations (8) and (10) are preferred.

METHOD OF SOLUTION

General

In the development of a computer program, a general formulation for the binomial summation is desired; that is, rather than programming all eight of the equations (3) to (10), it is desired to program one general form from which either $\Pr(X \geq r | n, p)$ or $\Pr(X \leq c | n, p)$ can be computed.

The general form selected is that of equation (3). It is noted that equations (6), (8), and (9) fit this same form; that is, the summations have an upper limit of n . Thus, equations (4), (5), (7), and (10) are eliminated from further consideration because their upper limits are not n . Equations (3) and (6) have as unique variables r and $\Pr(X \geq r | n, p)$, whereas equations (8) and (9) involve the variables c and $\Pr(X \leq c | n, p)$.

Equation (3) is used to restate the problem of determining the parameter of the cumulative binomial distribution: for given values of n , r , and $\Pr(X \geq r | n, p)$, deter-

mine the value of p . The solution to this problem is obtained by an iterative procedure beginning with an initial guess for p for use in the summation of equation (3). Unless there is equality between the specified quantity $\Pr(X \geq r | n, p)$ and the numerical value of the sum, a new estimate for p is selected. This procedure is repeated until the parameter p is ascertained with desired accuracy.

Newton-Raphson Method

The Newton-Raphson method is a well-known numerical technique for finding the roots of equations. The Newton-Raphson method is chosen here because it provides rapid convergence and because the required derivative of the binomial summation is simple. The $(j + 1)^{\text{th}}$ estimate for the root p of equation (3) can be obtained from the j^{th} estimate for p as follows (ref. 16):

$$p_{j+1} = p_j - \frac{F(p_j)}{\frac{\partial F(p_j)}{\partial p_j}} \quad (11)$$

where

$$F(p_j) = \sum_{x=r}^n \binom{n}{x} p_j^x (1 - p_j)^{n-x} - \Pr(X \geq r | n, p) \quad (12)$$

and

$$\frac{\partial F(p_j)}{\partial p_j} = r \binom{n}{r} p_j^{r-1} (1 - p_j)^{n-r} \quad (13)$$

In order to assure convergence with the Newton-Raphson method, a judicious initial guess for p is required. Since the binomial distribution is monotonic, convergence is assured by selecting p_0 at the point of maximum slope on a curve of cumulative probability as a function of p . This point is determined by setting to zero the second partial derivative of $F(p_j)$ with respect to p_j . The second partial derivative is

$$\frac{\partial^2 F(p_j)}{\partial p_j^2} = r \binom{n}{r} p_j^{r-2} (1 - p_j)^{n-r-1} [(r - 1) - p_j(n - 1)] \quad (14)$$

The value of p_j for which equation (14) becomes zero is

$$p_0 = \frac{r - 1}{n - 1} \quad (15)$$

A relation useful in obtaining successive terms of the binomial summation is

$$\Pr(X = x + 1 | n, p) = \frac{(n - x)}{(x + 1)} \frac{p}{(1 - p)} \Pr(X = x | n, p) \quad (16)$$

This relation is especially useful in computer computation of the sum.

Figure 1 illustrates the Newton-Raphson method of solution for the case

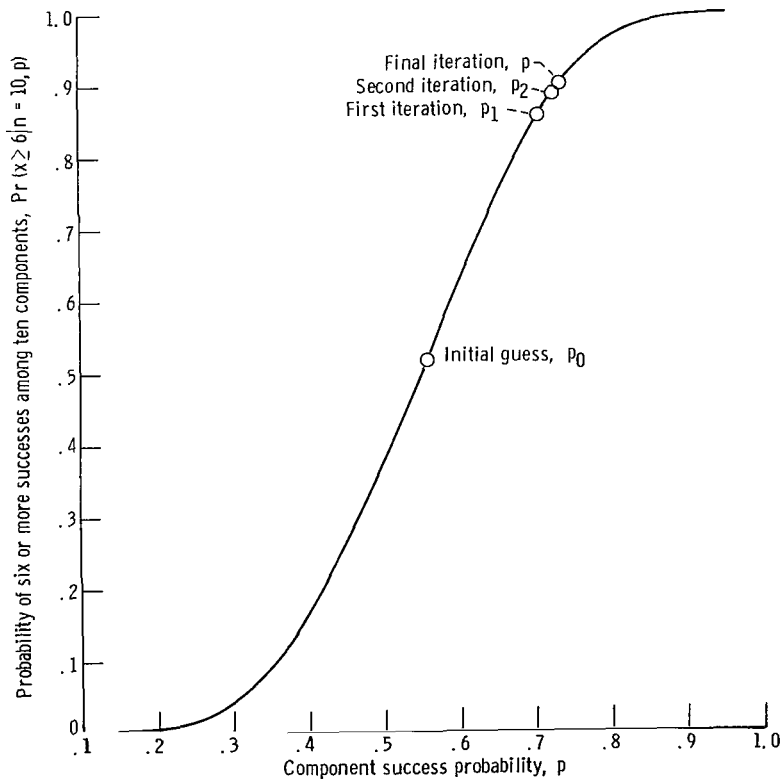


Figure 1. - Component success probability and cumulative probability for six or more successes among ten components.

$\Pr(X \geq 6 | n = 10, p) = 0.90$. The rapidity of convergence by this method is such that six-place accuracy in p can usually be obtained in fewer than six iterations. The FORTRAN program is presented in appendix A.

APPLICATION

The application which motivated this study is in determining the required component reliability in an r -out-of- n system. Two other applications, sampling plans and confidence intervals, are given in appendix B.

An r -out-of- n system is one which functions only if at least r components function in a system of n components. Frequently, in system design work, the designer has a specified system reliability that must be achieved. Physical requirements of the system determine the number of components r that must function successfully. Within limitations such as weight, cost, and size, the designer can choose the number of redundant components $n - r$. The problem is to determine the component reliability p that will satisfy the required system reliability for given n and r .

An example of such a problem is found in the design of vapor-chamber radiators for space application. Such radiators consist of several hundred (n) independent chambers, of which some number (r) must successfully function in order to reject the waste heat from a powerplant (ref. 17). Typically, the overall radiator reliability is specified.

The surfaces of the vapor chambers are subject to bombardment by meteoroids. A

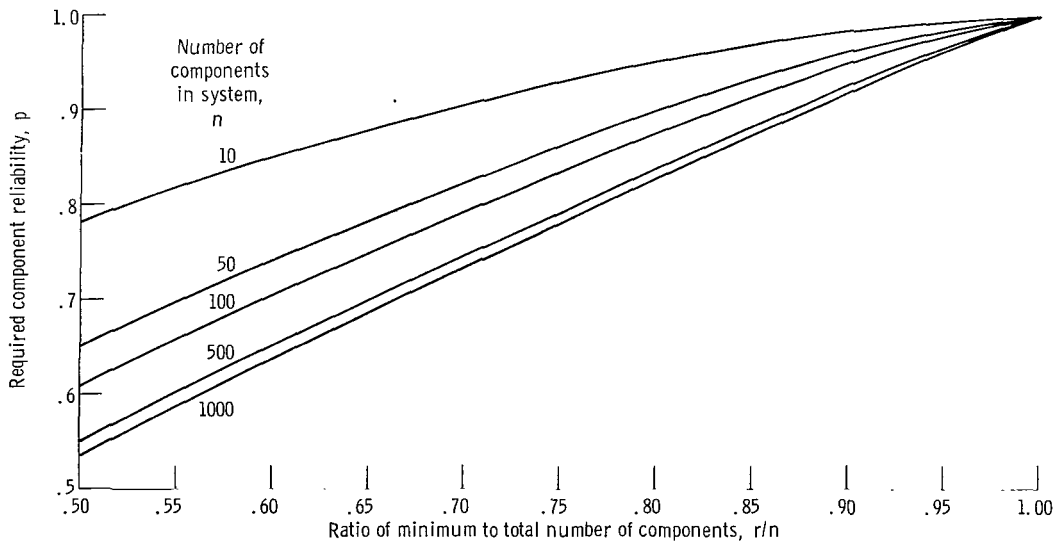


Figure 2. - Effect of number of components on required component reliability for system reliability of 0.99

$$\left(0.99 = \sum_{x=r}^n \binom{n}{x} p^x (1-p)^{n-x} \right) \text{ and a range of redundancy levels.}$$

puncture of the chamber releases its vapor and destroys its usefulness. The thickness of the chamber walls can be expressed as a function of the required chamber reliability (ref. 17). Thus, to design the vapor-chamber radiator, it is necessary to determine p , the individual vapor chamber reliability. By cumulative binomial parameter determination, p can be determined as a function of the number of vapor chambers n , the minimum number required for mission success r , and the overall radiator reliability $\Pr(X \geq r | n, p)$.

The following table lists the component reliability for a system success probability of 0.99 for several n and r values. The same information is presented in figure 2 where it is shown that for fixed r/n , the larger values of n result in smaller required component reliabilities.

CUM PRDB	N	R	C	P
0.990000	10	6		0.849557
0.990000	10	7		0.906786
0.990000	10	8		0.952493
0.990000	10	9		0.984462
0.990000	10	10		0.998995
0.990000	50	30		0.740064
0.990000	50	35		0.823491
0.990000	50	40		0.899068
0.990000	50	45		0.963083
0.990000	50	50		0.999799
0.990000	100	55		0.657288
0.990000	100	60		0.703765
0.990000	100	65		0.749050
0.990000	100	70		0.793051
0.990000	100	75		0.835610
0.990000	100	80		0.876473
0.990000	100	85		0.915205
0.990000	100	90		0.950980
0.990000	100	95		0.981853
0.990000	100	100		0.999899
0.990000	500	275		0.600219
0.990000	500	300		0.649052
0.990000	500	325		0.697335
0.990000	500	350		0.745022
0.990000	500	375		0.792036
0.990000	500	400		0.838251
0.990000	500	425		0.883452
0.990000	500	450		0.927211
0.990000	500	475		0.968455
0.990000	500	500		0.999980
0.990000	1000	550		0.585849
0.990000	1000	600		0.635099
0.990000	1000	650		0.683959
0.990000	1000	700		0.732395
0.990000	1000	750		0.780353
0.990000	1000	800		0.827742
0.990000	1000	850		0.874409
0.990000	1000	900		0.920045
0.990000	1000	950		0.963873
0.990000	1000	1000		0.999990

CONCLUDING REMARKS

The system designer who occasionally uses the binomial distribution in reliability applications will find that the extensive tables of this report provide him with six-place accuracy and a saving of time. The more frequent user will find that the computer program, which is short and efficient, can be used to generate tables more nearly suited to his use or to incorporate the routine into a larger system program.

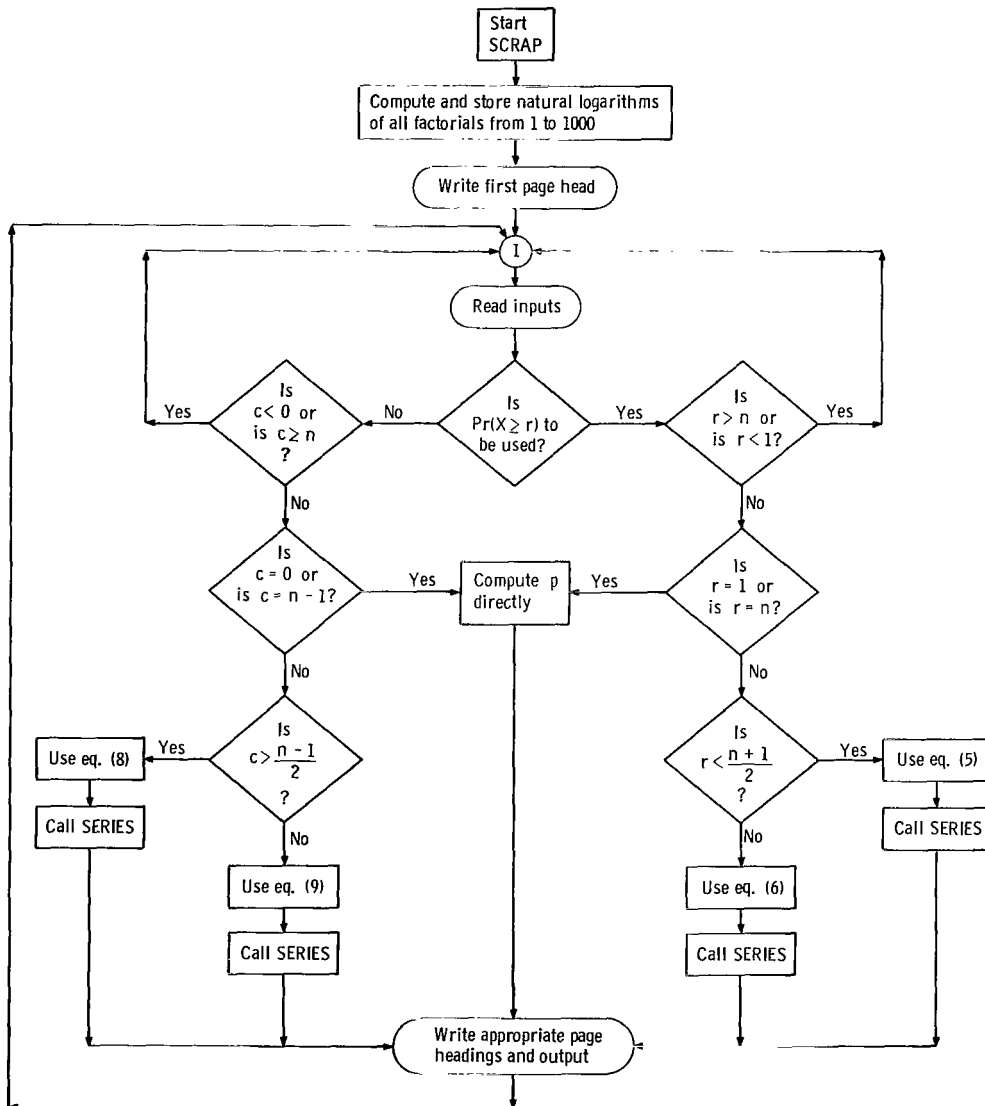
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Cleveland, Ohio, August 22, 1969,
120-27.

APPENDIX A

FORTRAN PROGRAM

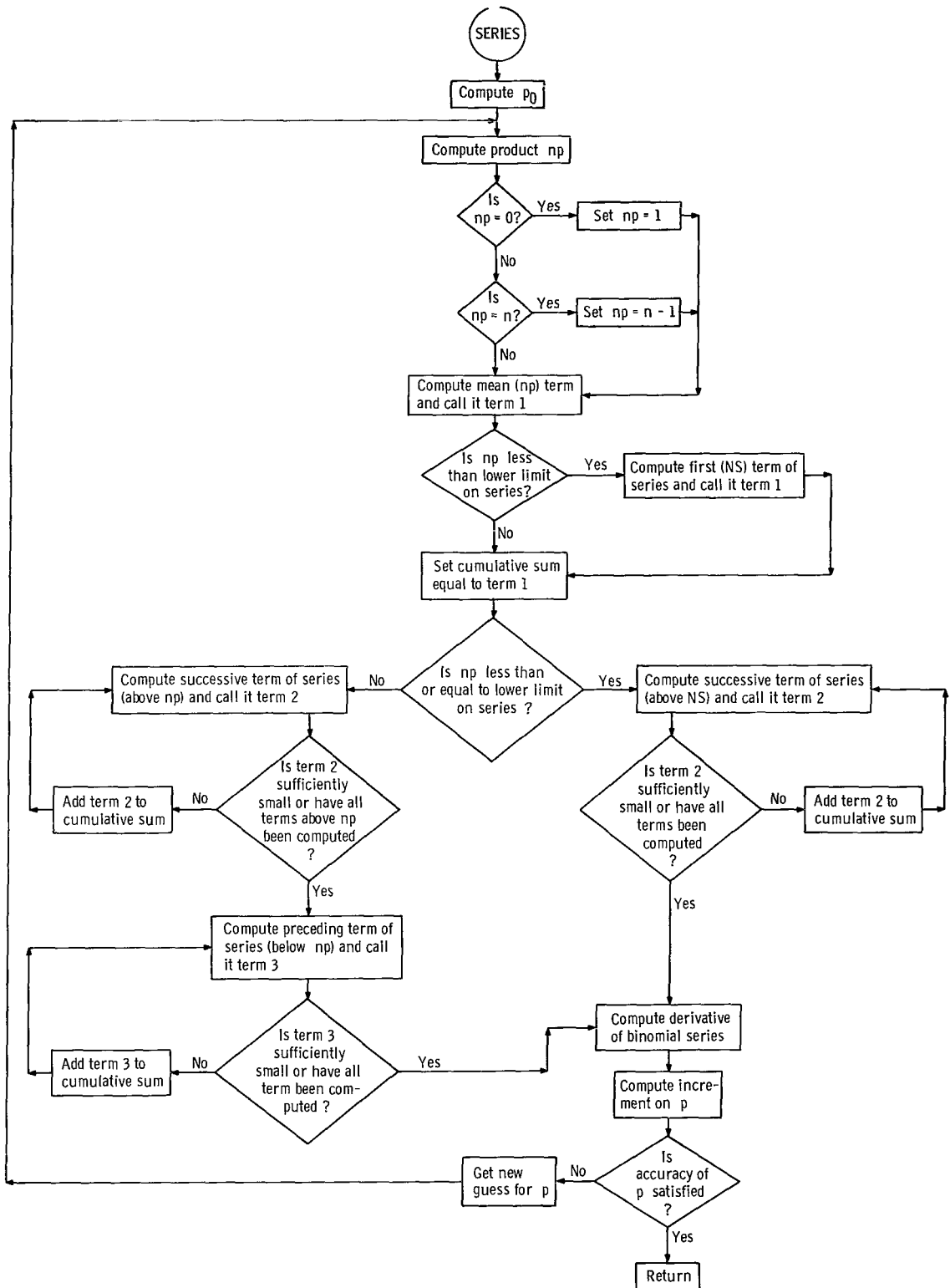
A FORTRAN IV language computer program, written for the Lewis 7094 computer and utilizing the Newton-Raphson method, is presented at the end of this appendix. The flow diagram is shown in figure 3.

The program is written in two parts. The calling program, called SCRAP for



(a) Calling program, SCRAP.

Figure 3. - Computer flow diagram.



(b) Subroutine SERIES.

Figure 3. - Concluded.

Series Computation of Reliability and Probability, controls the input and output and provides for selection of the preferred equation for the most efficient computation of the binomial sum. The subroutine SERIES is used to compute the binomial sum and to determine to the desired accuracy the numerical value of the parameter p .

Calling Program, SCRAP

As shown in figure 3(a) the first function performed by SCRAP is the computation and storage of the natural logarithms of all factorials from 1 to 1000. These are needed because each term of the binomial summation contains factorials (see eqs. (1) and (2)). The logarithms are stored in double precision to maintain the desired accuracy after summing the possibly large number of terms in the binomial summation.

The program has five input variables, only four of which are used in any one problem. To specify whether the cumulative probability under consideration is $\Pr(X \geq r | n, p)$ or $\Pr(X \leq c | n, p)$, an input called TAIL is used. Any positive integer for TAIL indicates $\Pr(X \geq r | n, p)$, whereas any negative integer or zero indicates $\Pr(X \leq c | n, p)$. The input N (for n) can be any integer from 1 to 1000. The input R (for r) can take any integer value from 1 to n . The input C (for c) can take any integer value from zero to $n - 1$. The remaining input CUMSUM is the specified cumulative probability; it is either $\Pr(X \geq r | n, p)$ or $\Pr(X \leq c | n, p)$, depending on whether TAIL is positive or nonpositive, respectively. All inputs are programmed in NAMELIST format. A sample set of inputs is shown in the following table:

Card	column	1	2
	Blank	\$	INPUT CUMSUM = 0.025, TAIL = 1, N = 50, R = 20\$
	Blank	\$	INPUT TAIL = 0, C = 20\$
	Blank	\$	INPUT CUMSUM = 0.05, TAIL = 1\$
	Blank	\$	INPUT TAIL = 0\$
	Blank	\$	INPUT CUMSUM = 0.025, TAIL = 1, R = 25\$

Decision Functions

Figure 3(a) illustrates the decision functions performed by SCRAP. When the binomial summation consists of a single term, the parameter p is found by direct computation. When the summation contains more than one term, the Newton-Raphson iterative procedure is used to determine p . The program uses the form of the cumulative

binomial requiring computation of the fewer terms. Subroutine *SERIES* is then called to perform the binomial summation and determine the value of p .

A sample set of output obtained from the preceding sample input is as follows:

CUMULATIVE PROBABILITY = $\sum_{X=0}^C \binom{N}{X} P^X (1-P)^{N-X}$					OR $\sum_{X=R}^N \binom{N}{X} P^X (1-P)^{N-X}$				
CUM PROB	N	R	C	P					
0.025000	50	20						0.264078	
0.025000	50		20					0.548206	
0.050000	50	20						0.283131	
0.050000	50		20					0.526120	
0.025000	50	25						0.355273	

The first page of output contains as a heading both equations (3) and (7). Of the five column headings, N , R , and C are identical to the inputs with the same names. The CUM PROB column is simply the CUMSUM input, and P is the cumulative binomial parameter p .

Subroutine *SERIES*

Subroutine *SERIES* performs the binomial summation, determines the parameter p to the desired accuracy, and delivers the solution to the calling program *SCRAP*. The flow diagram of figure 3(b) shows the steps in this procedure.

It is desirable to begin computation of the sum at the mode or largest term of the distribution. Since the binomial distribution is unimodal, successive terms of the summation on both sides of the mode need be computed only so long as the successive term adds significance to the cumulative sum.

Because the mode of the binomial distribution is more difficult to determine than the mean and since the mode is close to the mean, the mean term is chosen to initiate computation of the sum.

The mean of the binomial distribution is formed by the product np_j . If np_j , when rounded to the nearer integer value, is either zero or n , it is set equal to 1 or $n - 1$, respectively, to avoid definition and use of zero factorial. The probability of np_j (rounded to an integer) successes among n components given by equation (1) with $x = np_j$ is computed and stored as term 1.

If the mean np_j term is a term not included in the range of the summation, the computation begins instead with the first term of the summation designated by NS

in the computer program. With the use of equation (16), successive terms of the summation are computed until either (1) the terms become insignificantly small, less than 10^{-10} , or (2) all terms of the summation are included. Each term of the summation is added to the previous cumulative sum, called CGUESS in the program.

The increment on p as specified by the Newton-Raphson method is $|p_{j+1} - p_j|$ (eq. (11)). If this increment is less than 5×10^{-7} , the solution p is delivered to the calling program, SCRAP. If the accuracy of p is not satisfied, a new guess for p is used and the process repeated from the beginning. The error in p as obtained from this program is thus less than 5×10^{-7} ; that is, all six places are usable.

Miscellaneous Details

The running time on the Lewis 7094 computer is less than 0.001 minute for each case. With format modifications, the program was checked out with n values as large as 10 000. The calling program SCRAP and subroutine SERIES require a total storage capacity of less than 2900 36-bit words on the 7094 computer. Of the storage, 2000 words are used just to store the logarithms of the factorials in double precision. For repeated usage of the program, computer time and storage could be saved by permanently storing the logarithms of the factorials on disks.

A copy of the FORTRAN program deck can be obtained from COSMIC Computer Center, University of Georgia, Athens, Georgia 30601.

Program Listing

SCRAP

```

C ----SCRAP--SERIES COMPUTATION OF RELIABILITY AND PROBABILITY--IS A PROGRAM
C ----WHICH USES THE NEWTON-RAPHSON TECHNIQUE TO DETERMINE THE PARAMETER P OF
C ----THE BINOMIAL SERIES.  THE INPUTS ARE C (OR R), N, TAIL, AND CUMULATIVE
C ----PROBABILITY AND THE OUTPUT IS P IN THE FOLLOWING EQUATIONS.
C
C ----
C          C      (N)  X      N-X      N      (N)  X      N-X
C ----CUMULATIVE PROBABILITY = SUM ( ) P (1-P)      OR SUM ( ) P (1-P)
C          X=0  (X)                                X=R  (X)
C
C
C ----      (N)
C ----THE FACTOR ( ) MEANS THE NUMBER OF COMBINATIONS OF N THINGS TAKEN X AT A
C ----      (X)
C ----TIME.
C
      DOUBLE PRECISION FACLOG,P,Q,AINTEG,CUMSUM
      DIMENSION FACLOG(1000)

```

```

COMMON CUMSUM,N,NS,P,Q,FACLOG
C
FACLOG(1) = 0.
DO 2 INTEG = 2,1000
AINTeg = INTEG
2 FACLOG(INTEG) = FACLOG(INTEG-1)+DLOG(AINTeg)
C
WRITE (6,31)
31 FORMAT (1H1/49X, 43HC (N) X N-X N (N) X N-X/
123X,66HCUMULATIVE PROBABILITY = SUM ( ) P (1-P) OR SUM ( )
2P (1-P)/48X,8HX=0 (X),17X,8HX=R (X)//, 28X,8HCUM PROB,11X,
31HN,10X,1HR,10X,1HC,12X,1HP,/)
C
INTEGER C,R,TAIL
I = 0
M = 0
K = 0
NAMELIST/INPUT/CUMSUM,TAIL,N,C,R
1 READ(5,INPUT)
REALR = R
REALN = N
REALC = C
C
C ----IF TAIL IS GREATER THAN ZERO, SUM SERIES FROM R TO N.
IF (TAIL.LE.0) GO TO 400
C
C ----IF R GREATER THAN N OR R LESS THAN 1 (ERROR CONDITIONS) GO TO NEXT CASE.
300 IF(R.GT.N.OR.R.LT.1) GO TO 1
C
IF(CUMSUM.EQ.0.) GO TO 330
IF(CUMSUM.EQ.1.) GO TO 331
IF(R.EQ.1) GO TO 320
IF (R.NE.N) GO TO 321
P = CUMSUM** (1./REALN)
GO TO 40
330 P = 0.
GO TO 40
331 P = 1.
GO TO 40
320 P = 1.-(1.-CUMSUM)**(1./REALN)
GO TO 40
C
C ----IF R IS GREATER THAN OR EQUAL TO (N+1)/2, USE SUMMATION FROM R TO N.
321 IF(REALR.LT.((REALN+1.)/2.)) GO TO 301
NS = R
CALL SERIES
GO TO 40
C
C ----IF R IS LESS THAN (N+1)/2, USE SUMMATION FROM N-R+1 TO N IN TERMS OF Q,P.
C ----BECAUSE SUM (R,N,P,Q) = 1-SUM(0,R-1,P,Q) = 1-SUM(N-R+1,N,Q,P).
301 NS = N-R+1
CUMSUM = 1.-CUMSUM
CALL SERIES
CUMSUM = 1.-CUMSUM
P = Q
GO TO 40

```



```

C
C ----IF C IS NEGATIVE OR IF C GREATER THAN OR EQUAL TO N (ERROR CONDITIONS).
C ----GO TO NEXT CASE.
400 IF(C.LT.0.OR.C.GE.N) GO TO 1
C
      IF(CUMSUM.EQ.0.) GO TO 430
      IF(CUMSUM.EQ.1.) GO TO 431
      IF(C.EQ.0) GO TO 420
      IF(C.NE.(N-1)) GO TO 421
      P = (1.-CUMSUM)**(1./REALN)
      GO TO 40
430 P = 1.
      GO TO 40
431 P = 0.
      GO TO 40
420 P = 1.-CUMSUM**(1./REALN)
      GO TO 40
C
C ----IF C IS LESS THAN OR EQUAL TO (N-1)/2, SUM(N-C,N,Q,P).
421 IF (REALC.GT.((REALN-1.)/2.)) GO TO 401
      NS = N-C
      CALL SERIES
      P = Q
      GO TO 40
C ----IF C IS GREATER THAN (N-1)/2, SUM FROM C+1 TO N AND SUBTRACT FROM 1.
401 NS = C+1
      CUMSUM = 1.-CUMSUM
      CALL SERIES
      CUMSUM = 1.-CUMSUM
C
C ----THE VARIABLES I, M, AND K ARE LINE AND PAGE COUNTERS USED IN GROUPING THE
C ----OUTPUT AND DETERMINING THE PROPER HEADINGS.
40 I = I+1
      M = M+1
      IF (I.LE.5) GO TO 205
201 WRITE (6,21)
21 FORMAT (//)
      M = M+1
      I = 1
205 IF(K.GT.0) GO TO 203
      IF(M-47) 200,200,110
203 IF(M.LE.53) GO TO 200
110 WRITE (6,41)
41 FORMAT (1H1,/,28X,8HCUM PROB,11X,1HN,10X,1HR,10X,1HC,12X,1HP//)
      I = 1
      M = 0
      K = K+1
200 IF(TAIL.LE.0) GO TO 410
310 WRITE(6,46) CUMSUM,N,R,P
46 FORMAT(26X,F10.6,8X,I4,7X,I4, 18X,F10.6)
      GO TO 1
410 WRITE (6,47) CUMSUM,N,C,P
47 FORMAT (26X,F10.6,8X,I4,18X,I4,7X,F10.6)
C
      GO TO 1
      END

```

SERIES

```

SUBROUTINE SERIES
C ----SUBROUTINE SERIES IS USED TO PERFORM THE SUMMATION COMPUTATION AND TO
C ----DETERMINE THE VALUE OF THE PARAMETER P TO DESIRED ACCURACY.
      DOUBLE PRECISION FACLOG,P,Q,AN,ANS,ANP,ANLNP,ANLMT,ANS1,ANLNP1,
      1TERM1,AK11,CGUESS,TERM2,AK21,AK2,TERM3,AK3,ANP1,DERIV,CUMSUM,DELP
      DIMENSION FACLOG(1000)
      COMMON CUMSUM,N,NS,P,Q,FACLOG
C
      AN = N
      ANS = NS
C ----INITIAL GUESS ON P SUCH THAT SECOND DERIVATIVE OF BINOMIAL EQUALS 0.
      10 P = (ANS - 1.)/(AN - 1.)
      11 C = 1.-P
          NLIMIT = N-NS
          ANLMT = NLIMIT
          NL1 = N-1
          ANS1 = ANS+1.
          DROP = 1.0 E-10
C
      2 NP = AN*P
        IF (NP.GE.1) GO TO 3
        NP = 1
      3 IF (NP.LT.N) GO TO 4
        NP = N-1
      4 ANP = NP
        ANP1 = ANP+1.
        NLNP = N-NP
        ANLNP = NLNP
        ANLNP1 = ANLNP+1.
        NSLNP = NS-NP
        NPLNS = NP-NS
C
C ----THE MEAN (NP) TERM IS USUALLY THE LARGEST SO CALCULATION OF THE SUMMATION
C ----STARTS WITH IT.
        TERM1 = DEXP(FACLOG(N)-FACLOG(NP)-FACLOG(NLNP)-ANP*DLOG(1./P)
        1-ANLNP*DLOG(1./Q))
C
C ----IF NP LESS THAN NS, START SUMMATION WITH NS TERM INSTEAD.
        IF (NP.GE.NS) GO TO 9
        15 DO 17 K11=1,NSLNP
            AK11 = K11
        17 TERM1 = TERM1*(ANLNP1-AK11)/(ANS1-AK11)*P/Q
C
      9 CGUESS = TERM1
        TERM2 = TERM1
C
        IF (NP.GT.NS) GO TO 43
C ----THE FOLLOWING LOOP COMPUTES NS+1 TERM, NS+2 TERM,....., N TERM.
      29 DO 37 K21 = NS,NL1
          AK21 = K21
          TERM2 = TERM2*(AN-AK21)/(AK21+1.)*P/Q
C ----DROP TERMS LESS THAN 10-10
          IF (TERM2.LE.DROP) GO TO 16
      37 CGUESS = CGUESS + TERM2
C
        GO TO 16
C ----TERMS GREATER THAN NP COMPUTED HERE.
      43 DO 7 K2 = NP,NL1
          AK2 = K2
          TERM2 = TERM2*(AN-AK2)/(AK2+1.)*P/Q
          IF (TERM2.LE.DROP) GO TO 22
      7 CGUESS = CGUESS+TERM2

```

```

C
C ----TERMS LESS THAN NP (INCLUDING NS TERM) COMPUTED HERE.
  22 TERM3 = TERM1
    DO 8 K3=1,NPLNS
      AK3 = K3
      TERM3 = TERM3*(ANP1-AK3)/((ANLNP+AK3)*Q/P
      IF (TERM3.LE.DROP) GO TO 16
    8 CGUESS = CGUESS+TERM3
C
C ----CALCULATION OF DERIVATIVE OF BINOMIAL SUMMATION.
  16 DERIV = DEXP(FACLOG(N)-FACLOG(NS-1)-FACLOG(NLIMIT)-(ANS-1.) *
    1DLOG(1./P)-ANLMT*DLOG(1./Q))
C
C ----THE FORM OF NEWTON-RAPHSON SOLUTION IS P2=P1-F(P1)/F'(P1).
C ----DELP IS THE CORRECTION TO BE MADE ON P IF ACCURACY OF P IS NOT SATISFIED.
  DELP = (CGUESS-CUMSUM)/DERIV
  ACCRYP = ABS(DFLP)
  P = P-DELP
  Q = 1.-P
C
C ----ERROR OF THE FORM ABSOLUTE VALUE OF DELP IS COMPUTED ABOVE AS ACCRYP.
C ----INCREMENT P AND IF LAST INCREMENT IS LESS THAN .5 TIMES 10-6, PRINT
C ----RESULT. IF ACCRYP IS NOT SATISFIED, REPEAT FROM STATEMENT 2.
C
  IF (ACCRYP.LT..0000005) GO TO 39
  GO TO 2
C
  39 RETURN
  END

```

APPENDIX B

ADDITIONAL APPLICATIONS

Two additional applications of binomial parameter determination are given in this section.

Sampling Plans

A sampling plan is a procedure whereby acceptability of a large lot of material is determined from the study of a small sample taken from that lot. A random sample is taken and the items in the sample are examined and classified into two categories, defectives and effectives. Based on the number of defectives in the sample, a decision is made to either accept or reject the entire lot.

A single binomial sampling plan consists simply of the specification of the sample size n and the acceptance number c (ref. 18). If the sample contains c or fewer defectives, the lot is accepted. If the sample contains more than c defectives, the lot is rejected.

The symbol p is used in sampling plans for the fraction of the lot which is defective. In this notation, low values of p imply high quality material and high values imply low quality material.

If the fraction defective is p , the probability that a sample of size n will have c or fewer defective items is given by equation (6). This probability of c or fewer defectives is the probability of lot acceptance P_a ; that is,

$$P_a = \Pr(X \leq c | n, p) \quad (B1)$$

The consumer must realize that, since the lot of material is much larger than the sample, there is some chance that the lot is of bad quality even though the sample leads to lot acceptance. The consumer prefers to keep the risk of such an acceptance of bad quality material at a low value, usually around $P_a = 0.10$. This is referred to as the consumer's risk. On the other hand, the producer realizes that there is some chance that a sample will pick up more than c defectives and the lot will be rejected even though the lot is of good quality. The producer wants to keep the risk of having good quality material rejected at a suitably low level, usually around $1 - P_a = 0.05$. This is referred to as the producer's risk.

Given values for n and c , the producer and consumer wish to know the fraction defective p to be expected under the plan as P_a is varied. The curve of probability

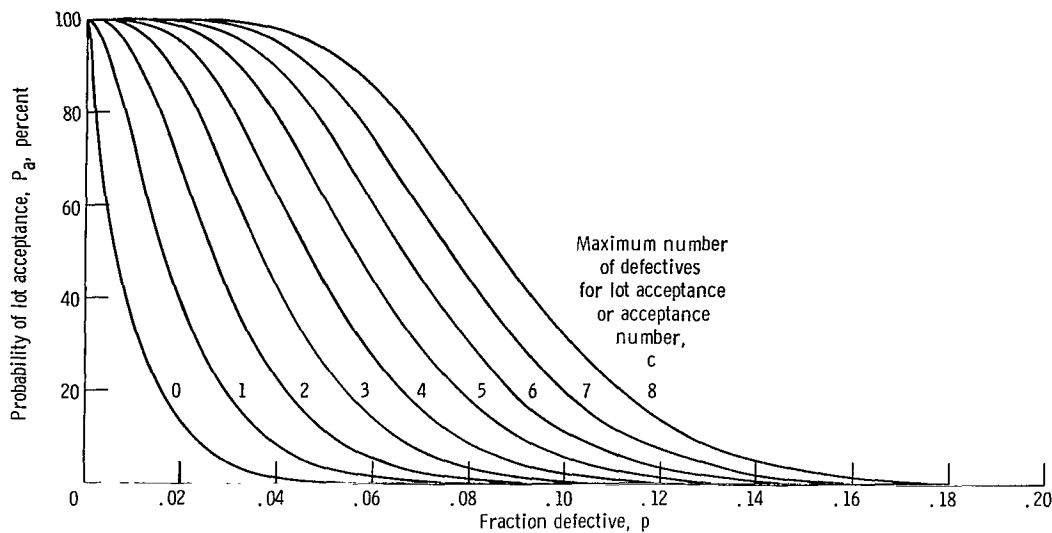


Figure 4. - Operating characteristic curves for single binomial sampling plans. Sample size, 100; acceptance number, 0 to 8.

of lot acceptance as a function of p is called the operating characteristic curve of the sampling plan. The operating characteristic curves for $n = 100$, $0 \leq c \leq 8$ are shown in figure 4. The data were obtained from the following table together with some unpublished results of the computer program run at P_a greater than 0.95 and P_a below 0.10.

CUM PROB	N	K	C	P
0.950000	100		0	0.000513
0.750000	100		0	0.002873
0.500000	100		0	0.006908
0.250000	100		0	0.013767
0.100000	100		0	0.022763
0.950000	100		1	0.003565
0.750000	100		1	0.009615
0.500000	100		1	0.016727
0.250000	100		1	0.026699
0.100000	100		1	0.038339
0.950000	100		2	0.008226
0.750000	100		2	0.017297
0.500000	100		2	0.026651
0.250000	100		2	0.038879
0.100000	100		2	0.052345
0.950000	100		3	0.013777
0.750000	100		3	0.025413
0.500000	100		3	0.036597
0.250000	100		3	0.050556
0.100000	100		3	0.065586

CUM PROR	N	R	C	P
0.950000	100		4	0.019906
0.750000	100		4	0.033795
0.500000	100		4	0.046553
0.250000	100		4	0.062031
0.100000	100		4	0.078348
0.950000	100		5	0.026450
0.750000	100		5	0.042361
0.500000	100		5	0.056512
0.250000	100		5	0.073327
0.100000	100		5	0.090771
0.950000	100		6	0.033312
0.750000	100		6	0.051067
0.500000	100		6	0.066474
0.250000	100		6	0.084487
0.100000	100		6	0.102939
0.950000	100		7	0.040429
0.750000	100		7	0.059882
0.500000	100		7	0.076436
0.250000	100		7	0.095539
0.100000	100		7	0.114903
0.950000	100		8	0.047757
0.750000	100		8	0.068789
0.500000	100		8	0.086400
0.250000	100		8	0.106501
0.100000	100		8	0.126698

For example, from the table, given the plan $n = 100$ and $c = 3$, the fraction defective accepted 10 percent of the time is 0.065586, while the fraction defective accepted 95 percent of the time is 0.013777. This means that the producer will, on the average, have 5 percent of his good lots rejected under this plan if the lots which he produces have a fraction defective of 0.013777. Likewise, the consumer is assured that, under this plan, he will on the average accept bad lots having fraction defective 0.065586 only 10 percent of the time.

Confidence Intervals

Probability can be determined empirically. A sample of size n is taken, r of the items are classified as successes, and $n - r$ are classified as failures. A point estimate for the probability of success in the population is the quantity r/n .

Sometimes an interval estimate for p is given along with a statement concerning the confidence that the interval contains the true value of p . This is called the confi-

dence interval for p and is determined from

$$\Pr(p_l \leq p \leq p_u | n, r) = 1 - \alpha \quad (B2)$$

where $1 - \alpha$ is the confidence coefficient.

Whereas the point estimate for p is dependent only on the ratio r/n without regard to the actual sample size, the confidence interval for p depends on the numerical value of n as well; that is, a larger sample extracts more information about the population and hence a smaller interval is specified.

The numerical values of the end points of the symmetrical confidence interval are obtained from the solution of

$$\Pr(X \geq r | n, p_l) = \frac{\alpha}{2} \quad (B3)$$

and

$$\Pr(X \leq r | n, p_u) = \frac{\alpha}{2} \quad (B4)$$

The following table shows confidence intervals for p for r/n values of 0.4, 0.5, and 0.8 for $n = 50$ and $n = 100$. If a sample of size 50 has 40 successes, the 95 percent confidence interval for p is 0.662817 to 0.899698. A sample of size 100 with 80 successes results in the same point estimate of 0.80 for p ; the larger sample size, however, narrows the 95 percent confidence interval to 0.708157 to 0.873344.

CUM PROB	N	R	L	P
0.025000	50	20		0.264078
0.025000	50		20	0.548206
0.050000	50	20		0.283131
0.050000	50		20	0.526120
0.025000	50	25		0.355273
0.025000	50		25	0.644727
0.050000	50	25		0.376246
0.050000	50		25	0.623754
0.025000	50	40		0.662817
0.025000	50		40	0.899698
0.025000	100	40		0.303295
0.025000	100		40	0.502791
0.050000	100	40		0.317526
0.050000	100		40	0.487024
0.025000	100	50		0.398321
0.025000	100		50	0.601679
0.050000	100	50		0.413622
0.050000	100		50	0.586378
0.025000	100	80		0.708157
0.025000	100		80	0.873344

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TABLE I. - COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

Explanation of Table

The cumulative binomial parameter satisfying equation (3) is extensively tabulated in the following table. The range of parameters is particularly useful in r -out-of- n redundancy problems. Values of cumulative probability (system reliability) tabulated are 0.80, 0.90, 0.95, 0.975, 0.99, 0.995, 0.999, 0.9995, and 0.9999. The n and r values are chosen in pairs: $n = 2, 3, 4, \dots, 50$ and $r = 1, 2, 3, \dots, 50$; $n = 52, 54, 56, \dots, 100$ and $r \approx n/2, (n/2) + 1, (n/2) + 2, \dots, n$; $n = 110, 120, 130, \dots, 500$ and $r = n/2, (n/2) + 5, (n/2) + 10, \dots, n$; $n = 525, 550, 575, \dots, 1000$ and $r \approx n/2, (n/2) + 10, (n/2) + 20, \dots, n$.

The computer program of appendix A was used, with *format* modifications, to produce the tables. Columns headed N and R correspond to n and r , respectively; the value in the body of the tables is the parameter p accurate to all six places.

$$\text{Cumulative Probability} = \sum_{x=R}^N \binom{N}{x} p^x (1-p)^{N-x}$$

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
2	1	.552786	.683772	.776393	.841886	.900000	.929289	.968377	.977639	.990000
	2	.894427	.948683	.974679	.987421	.994987	.997497	.999500	.999750	.999950
3	1	.415196	.535841	.631597	.707598	.784557	.829002	.900000	.920630	.953584
	2	.712859	.804200	.864650	.905701	.941097	.958600	.981630	.987034	.994215
	3	.928318	.965489	.983048	.991596	.996655	.998331	.999667	.999833	.999967
4	1	.331260	.437659	.527129	.602365	.683772	.734085	.822172	.850465	.900000
	2	.582454	.679539	.751395	.805880	.859132	.889115	.935962	.949350	.970541
	3	.787683	.857441	.902389	.932414	.958001	.970555	.986977	.990815	.995906
	4	.945742	.974004	.987259	.993691	.997491	.998748	.999750	.999875	.999975
5	1	.275220	.369043	.450720	.521824	.601893	.653428	.748811	.781327	.841510
	2	.490192	.583890	.657408	.716418	.777928	.814903	.877986	.897846	.932187
	3	.673402	.753364	.810745	.853367	.894360	.917171	.952448	.962452	.978218
	4	.831391	.887765	.923560	.947255	.967318	.977119	.989898	.992878	.996828
	5	.956352	.979148	.989794	.994949	.997992	.998998	.999800	.999900	.999980
6	1	.235275	.318708	.393038	.459258	.535841	.586481	.683772	.718273	.784556
	2	.422448	.510316	.581803	.641235	.705686	.746007	.818614	.842835	.887031
	3	.585394	.666806	.728662	.777222	.826930	.856404	.906046	.921516	.948099
	4	.731351	.799091	.846839	.881883	.915270	.933721	.962084	.970090	.982675
	5	.860119	.907405	.937150	.956728	.973237	.981279	.991744	.994181	.997409
	6	.963492	.982593	.991488	.995789	.998326	.999165	.999833	.999917	.999983
7	1	.205403	.280314	.348164	.409616	.482053	.530883	.627241	.662383	.731730
	2	.370862	.452565	.520703	.578723	.643365	.684912	.762521	.789435	.840362
	3	.516758	.596180	.658739	.709579	.763676	.797028	.856226	.875747	.911098
	4	.649906	.721398	.774678	.815948	.857730	.882296	.923345	.936058	.957816
	5	.771674	.830362	.871244	.901012	.929196	.944701	.968439	.975120	.985603
	6	.880461	.921177	.946624	.963307	.977335	.984156	.993018	.995080	.997810
	7	.968625	.985061	.992699	.996390	.998565	.999284	.999857	.999929	.999986
8	1	.182235	.250106	.312344	.369417	.437659	.484331	.578303	.613302	.683772
	2	.330365	.406245	.470679	.526510	.589942	.631517	.711276	.739717	.794965
	3	.462098	.538215	.599689	.650856	.706770	.742169	.807300	.829609	.871466
	4	.583655	.655377	.710759	.755137	.801798	.830299	.880430	.896840	.926409
	5	.696774	.760338	.807097	.842987	.879050	.900133	.935170	.945974	.964417
	6	.801403	.853145	.888887	.914767	.939160	.952536	.972957	.978691	.987679
	7	.895627	.931374	.953611	.968146	.980342	.986264	.993951	.995738	.998103
	8	.972492	.986916	.993609	.996840	.998744	.999374	.999875	.999937	.999987
9	1	.163749	.225736	.283129	.336267	.400516	.444953	.535841	.570247	.640618
	2	.297770	.368362	.429136	.482497	.544034	.584969	.665109	.694293	.752125
	3	.417682	.490081	.549642	.600094	.656315	.692606	.761152	.785284	.831742
	4	.529136	.599420	.655059	.700705	.749974	.780864	.837140	.856260	.891936
	5	.633913	.699031	.748632	.787991	.829035	.853944	.897477	.911652	.937110
	6	.732453	.789604	.831250	.863004	.894738	.913212	.943794	.953194	.969209
	7	.824250	.870503	.902253	.925145	.946652	.958415	.976336	.981361	.989228
	8	.907373	.939231	.958977	.971855	.982644	.987876	.994663	.996240	.998327
	9	.975511	.988362	.994317	.997191	.998884	.999443	.999889	.999944	.999989
10	1	.148660	.205672	.258866	.308497	.369043	.411296	.498813	.532376	.601892
	2	.270988	.336848	.394163	.445016	.504353	.544287	.623723	.653130	.712324
	3	.380937	.449604	.506901	.556095	.611743	.648201	.718457	.743711	.793292
	4	.483657	.551731	.606624	.652453	.702884	.735114	.795363	.816394	.856638
	5	.580865	.645784	.696463	.737622	.781662	.809084	.858691	.875449	.906591
	6	.673172	.732682	.777559	.812914	.849557	.871689	.910187	.922675	.945043
	7	.760559	.812438	.849972	.878448	.906786	.923232	.950373	.958695	.972853
	8	.842365	.884175	.912736	.933260	.952493	.962993	.978962	.983433	.990430
	9	.916740	.945471	.963229	.974789	.984462	.989149	.995226	.996637	.998503
	10	.977933	.989519	.994884	.997471	.998995	.999499	.999900	.999950	.999990

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
11	1	.136112	.188869	.238404	.284914	.342067	.382246	.466330	.498921	.567123
	2	.248602	.310243	.364359	.412780	.469816	.508565	.586641	.615930	.675634
	3	.350067	.415157	.470087	.517756	.572323	.608495	.679315	.705192	.756787
	4	.445222	.510761	.564374	.609743	.660417	.693283	.755948	.778277	.821835
	5	.535690	.599473	.650188	.692095	.737798	.766798	.820606	.839273	.874836
	6	.622135	.682281	.728750	.766206	.806023	.830688	.875071	.889999	.917656
	7	.704735	.759467	.800424	.832512	.865612	.885531	.920051	.931216	.951174
	8	.783287	.830767	.864925	.890737	.916340	.931161	.955562	.963031	.975720
	9	.857085	.895226	.921180	.939782	.957177	.966659	.981061	.985090	.991390
	10	.924385	.950548	.966681	.977169	.985935	.990180	.995680	.996957	.998646
	11	.979919	.990467	.995348	.997701	.999087	.999544	.999909	.999955	.999991
12	1	.125515	.174596	.220922	.264648	.318708	.356946	.437659	.469220	.535840
	2	.229617	.287498	.338681	.384796	.439544	.477026	.553359	.582308	.641933
	3	.323782	.385522	.438105	.484138	.537343	.572950	.643568	.669715	.722504
	4	.412351	.475266	.527327	.571858	.622193	.655222	.719198	.742366	.788255
	5	.496848	.559003	.609138	.651124	.697596	.727515	.784124	.804165	.843077
	6	.577939	.637724	.684762	.723330	.765107	.791472	.840115	.856910	.888799
	7	.655888	.711828	.754700	.789055	.825390	.847807	.887979	.901444	.926332
	8	.730687	.781319	.818975	.848348	.878533	.896645	.927941	.938038	.956060
	9	.802054	.845812	.877149	.900754	.924105	.937595	.959763	.966537	.978036
	10	.869284	.904347	.928130	.945139	.961018	.969663	.982779	.986444	.992174
	11	.930743	.954759	.969540	.979137	.987153	.991032	.996056	.997222	.998764
	12	.981577	.991258	.995735	.997892	.999163	.999582	.999917	.999958	.999992
13	1	.116446	.162322	.205817	.247053	.298296	.334730	.412198	.442718	.507611
	2	.213316	.267836	.316340	.360297	.412827	.449025	.523403	.551867	.611011
	3	.301141	.359776	.410099	.454471	.506171	.541044	.610951	.637119	.690501
	4	.383941	.444263	.494650	.538132	.587759	.620636	.685138	.708806	.756270
	5	.463142	.523429	.572619	.614262	.660900	.691277	.749651	.770651	.812043
	6	.539395	.598239	.645201	.684222	.727113	.754572	.806218	.824411	.859608
	7	.612998	.669141	.712951	.748655	.787123	.811295	.855694	.870967	.899888
	8	.684036	.736270	.776045	.807768	.841182	.861729	.898429	.910697	.933328
	9	.752415	.799498	.834341	.861421	.889165	.905771	.934399	.943617	.960049
	10	.817818	.858389	.887334	.909080	.930545	.942924	.963234	.969433	.979947
	11	.879561	.912004	.933950	.949619	.964225	.972168	.984210	.987572	.992827
	12	.936114	.958309	.971947	.980793	.988176	.991748	.996371	.997444	.998863
	13	.982982	.991928	.996062	.998054	.999277	.999614	.999923	.999962	.999997
14	1	.108598	.151657	.192636	.231636	.280314	.315079	.389460	.418952	.482052
	2	.199169	.250675	.296734	.338684	.389095	.424026	.496348	.524241	.582627
	3	.281441	.337214	.385390	.428129	.478264	.512307	.581169	.607184	.666717
	4	.359154	.416977	.465657	.507976	.556669	.589183	.653659	.677576	.726034
	5	.433644	.491965	.540005	.581035	.627435	.657944	.717324	.738966	.782147
	6	.505537	.563108	.609585	.648620	.692030	.720144	.773839	.793056	.830789
	7	.575143	.630868	.674972	.711391	.751200	.776574	.824073	.840739	.872887
	8	.642594	.695446	.736415	.769639	.805282	.827602	.868448	.882456	.908924
	9	.707886	.756843	.793927	.823389	.854318	.873286	.907072	.918340	.939094
	10	.770879	.814866	.847282	.872402	.898071	.913405	.939786	.948267	.963369
	11	.831248	.869061	.895953	.916111	.935972	.947410	.966152	.971865	.981550
	12	.888337	.918523	.938897	.953421	.966943	.974291	.985420	.988527	.993380
	13	.940711	.961342	.974001	.982205	.989048	.992358	.996640	.997634	.998947
	14	.984188	.992502	.996343	.998193	.999282	.999642	.999929	.999964	.999993
15	1	.101740	.142304	.181036	.218019	.264358	.297578	.369043	.397536	.458830
	2	.186777	.235569	.279396	.319485	.367891	.401592	.471827	.499096	.556542
	3	.264148	.317287	.363442	.404603	.453166	.486330	.553932	.579672	.633034
	4	.337346	.392793	.439784	.480891	.528514	.560528	.624588	.648570	.697582
	5	.407628	.463971	.510752	.551003	.596893	.627307	.687132	.709173	.753601

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
15	6	.475591	.531708	.577444	.616196	.659710	.688157	.743178	.763125	.802769
	7	.541545	.596467	.640435	.677130	.717711	.743871	.793593	.811314	.846003
	8	.605643	.658479	.700014	.734139	.771274	.794857	.838835	.854214	.883812
	9	.667932	.717816	.756273	.787333	.820536	.841267	.879094	.892033	.916439
	10	.728360	.774409	.809135	.836636	.865424	.883039	.914344	.924765	.943933
	11	.786767	.828032	.858336	.881759	.905644	.919887	.944350	.952204	.966176
	12	.842829	.878231	.903342	.922128	.940610	.951241	.968639	.973938	.982915
	13	.895919	.924141	.943153	.956688	.969277	.976112	.986459	.989345	.993853
	14	.944691	.963963	.975774	.983424	.989801	.992883	.996872	.997797	.999020
	15	.985234	.993001	.996586	.998314	.999330	.999666	.999933	.999967	.999993
16	1	.095696	.134036	.170750	.205907	.250106	.281899	.350618	.378150	.437658
	2	.175833	.222172	.263957	.302321	.348838	.381359	.449522	.476139	.532527
	3	.248848	.299564	.343825	.383476	.430493	.462759	.528970	.554352	.607310
	4	.318016	.371222	.416572	.456457	.502936	.534362	.597732	.621643	.670874
	5	.384522	.438922	.484396	.523771	.568971	.599130	.658989	.681245	.726494
	6	.448934	.503510	.548347	.586621	.629945	.658493	.714292	.734740	.775789
	7	.511556	.565440	.608988	.645654	.686591	.713229	.764493	.782999	.819660
	8	.572552	.624958	.666626	.701223	.739308	.763767	.810070	.826516	.858628
	9	.631994	.682173	.721397	.753490	.788284	.810313	.851260	.865541	.892970
	10	.689880	.737085	.773308	.802466	.833540	.852896	.888122	.900147	.922792
	11	.746134	.789587	.822234	.848016	.874941	.891385	.920551	.930244	.948052
	12	.800586	.839441	.867889	.889830	.912162	.925460	.948268	.955581	.968581
	13	.852918	.886198	.909748	.927338	.944619	.954549	.970784	.975725	.984092
	14	.902536	.929034	.946854	.959526	.971302	.977692	.987359	.990054	.994263
	15	.948170	.966251	.977321	.984486	.990456	.993342	.997074	.997939	.999083
17	16	.986150	.993437	.996799	.998419	.999372	.999687	.999937	.999969	.999994
	1	.090329	.126674	.161566	.195064	.237301	.267774	.333915	.360528	.418290
	2	.166098	.210211	.250124	.286889	.331633	.363028	.429161	.455118	.510374
	3	.235217	.283702	.326193	.364409	.409923	.441292	.506039	.531006	.583391
	4	.300768	.351869	.395641	.434318	.479621	.510404	.572897	.596638	.645833
	5	.363871	.416390	.460549	.498993	.543388	.573180	.632772	.655103	.700840
	6	.425065	.478071	.521918	.559583	.602513	.630991	.687154	.707923	.749973
	7	.484647	.537355	.580295	.616716	.657709	.684594	.736874	.755949	.794115
	8	.542783	.594489	.635991	.670753	.709383	.734424	.782415	.799679	.833787
	9	.599559	.649605	.689170	.721882	.757752	.780718	.824045	.839390	.869290
	10	.655002	.702743	.739886	.770167	.802894	.823562	.861874	.875205	.900767
	11	.709083	.753863	.788092	.815563	.844765	.862917	.895880	.907112	.928236
	12	.761712	.802839	.833637	.857903	.883191	.898610	.925912	.934973	.951604
	13	.812716	.849423	.876229	.896864	.917834	.930305	.951667	.958510	.970665
	14	.861788	.893183	.915355	.931892	.948120	.957435	.972654	.977282	.985116
	15	.908361	.933332	.950102	.962015	.973077	.979076	.988146	.990675	.994621
18	16	.951237	.968266	.978682	.985421	.991033	.993744	.997251	.998064	.999139
	17	.986960	.993821	.996987	.998512	.999409	.999705	.999941	.999971	.999994
	1	.085532	.120077	.153318	.185302	.225736	.254985	.318708	.344444	.400515
	2	.157383	.199468	.237661	.272944	.316024	.346349	.410513	.435809	.489895
	3	.222997	.269424	.310263	.347120	.391187	.421672	.484920	.509436	.561130
	4	.285285	.334413	.376679	.414177	.458298	.488408	.549897	.573395	.622362
	5	.345306	.396022	.438883	.476373	.519890	.549240	.608344	.630643	.676608
	6	.403576	.455021	.497828	.534802	.577196	.605480	.661693	.682643	.725373
	7	.460378	.511836	.554046	.590075	.630905	.657862	.710751	.730223	.769514
	8	.515880	.566715	.607845	.642549	.681425	.706821	.756000	.773878	.809552
	9	.570176	.619800	.659402	.692428	.728987	.752609	.797722	.813902	.845798
	10	.623307	.671154	.708799	.739809	.773704	.795347	.836062	.850446	.878424
	11	.675274	.720779	.756039	.784698	.815589	.835053	.871051	.883553	.907488
	12	.726030	.768610	.801047	.827014	.854556	.871646	.902621	.913159	.932956
	13	.775480	.814510	.843656	.866573	.890412	.904927	.930591	.939097	.954697
	14	.823451	.858232	.883574	.903051	.922815	.934556	.954645	.961075	.972489
	15	.869447	.899359	.920305	.935908	.951203	.959977	.974298	.978651	.986016

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
18	16	.513528	.937140	.952975	.964215	.974644	.980297	.988841	.991222	.994938
	17	.553961	.970054	.979889	.986249	.991543	.994101	.997408	.998175	.999188
	18	.587680	.994164	.997154	.998594	.999442	.999722	.999944	.999972	.999994
19	1	.081219	.114133	.145869	.176467	.215240	.243353	.304807	.329712	.384151
	2	.149536	.189766	.226374	.260281	.301801	.331112	.393376	.418023	.470922
	3	.211980	.256507	.295802	.331377	.374055	.403679	.465422	.489465	.540384
	4	.271310	.318591	.359426	.395785	.438734	.468158	.528560	.551764	.600358
	5	.228531	.377527	.419120	.455653	.498252	.527110	.585566	.607753	.653743
	6	.384132	.434048	.475797	.512029	.553789	.581790	.637816	.658839	.701989
	7	.438389	.488564	.529967	.565502	.606011	.632910	.686092	.705825	.745931
	8	.491464	.541321	.581936	.616422	.655319	.680898	.730870	.749199	.786087
	9	.543456	.592463	.631885	.665002	.701953	.726014	.772438	.789263	.822758
	10	.594417	.642070	.679913	.711357	.746047	.768400	.810963	.826189	.856148
	11	.644362	.690166	.726054	.755525	.787647	.808111	.846512	.860051	.886342
	12	.693274	.736727	.770279	.797479	.826726	.845121	.879070	.890839	.913345
	13	.741100	.781676	.812496	.837114	.863175	.879319	.908535	.918460	.937087
	14	.787737	.824869	.852530	.874239	.896787	.910499	.934710	.942726	.957417
	15	.833018	.866064	.890094	.908534	.927224	.938316	.957277	.963340	.974099
	16	.876658	.904858	.924706	.939475	.953939	.962231	.975755	.979864	.986814
	17	.918143	.940535	.955535	.966174	.976039	.981384	.989459	.991709	.995219
	18	.956397	.971651	.980967	.986988	.991999	.994419	.997548	.998273	.999232
	19	.988324	.994470	.997304	.998668	.999471	.999736	.999947	.999974	.999995
20	1	.077319	.108749	.139108	.168433	.205672	.232729	.292054	.316169	.369042
	2	.142432	.180961	.216106	.248733	.288790	.317142	.377582	.401592	.453305
	3	.201998	.244765	.282619	.316983	.358335	.387125	.447376	.470934	.521023
	4	.258635	.304187	.343664	.378927	.420729	.449465	.508729	.531603	.579716
	5	.313300	.360662	.401028	.436614	.478276	.506609	.564304	.586317	.632174
	6	.366459	.414890	.455582	.491046	.532106	.559761	.615421	.636431	.679796
	7	.418378	.467267	.507818	.542789	.582864	.609608	.662838	.682722	.723393
	8	.469215	.518031	.558035	.592189	.630939	.656569	.707020	.725669	.763466
	9	.519070	.567329	.606415	.639457	.676576	.700905	.748261	.765576	.800335
	10	.568000	.615249	.653069	.684722	.719920	.742774	.786736	.802627	.834199
	11	.616032	.661829	.698046	.728042	.761040	.782252	.822539	.836919	.865167
	12	.663164	.707071	.741349	.769427	.799945	.819351	.855689	.868477	.893276
	13	.709370	.750935	.782931	.808810	.836580	.854016	.886138	.897258	.918497
	14	.754589	.793336	.822689	.846091	.870821	.886120	.913766	.923146	.940735
	15	.798720	.834128	.860446	.881068	.902458	.915450	.938365	.945945	.959827
	16	.841600	.873074	.895919	.913429	.931155	.941666	.959618	.965355	.975530
	17	.882953	.909787	.928646	.942666	.956385	.964244	.977056	.980947	.987525
	18	.922290	.943582	.957831	.967929	.977289	.982357	.990012	.992144	.995470
	19	.958588	.973086	.981935	.987651	.992408	.994705	.997674	.998362	.999271
	20	.988905	.994746	.997439	.998735	.999498	.999749	.999950	.999975	.999995
21	1	.073777	.103849	.132946	.161098	.196914	.222989	.280314	.303681	.355053
	2	.135972	.172935	.206725	.238160	.276845	.304289	.362982	.386373	.436912
	3	.192911	.234047	.270552	.303774	.343864	.371850	.430633	.453702	.502925
	4	.247087	.291020	.329211	.363424	.404110	.432165	.490264	.512782	.560334
	5	.299411	.345224	.384408	.419066	.459787	.487577	.544431	.566225	.611825
	6	.350328	.397327	.436976	.471660	.511980	.539243	.594403	.615334	.658751
	7	.400094	.447711	.487389	.521751	.561309	.587825	.640914	.660863	.701894
	8	.448864	.496606	.535936	.569675	.608155	.633732	.684418	.703280	.741748
	9	.496735	.544161	.582801	.615646	.652760	.677225	.725207	.742887	.778630
	10	.543768	.590465	.628099	.659794	.695277	.718467	.763465	.779874	.812745
	11	.589997	.635568	.671891	.702193	.735789	.757551	.799299	.814355	.844216
	12	.635431	.679487	.714200	.742869	.774329	.794511	.832753	.846377	.873101
	13	.680060	.722206	.755006	.781803	.810877	.829329	.863816	.875933	.899401
	14	.723849	.763676	.794250	.818928	.845362	.861934	.892418	.902956	.923064
	15	.766735	.803806	.831824	.854123	.877652	.892190	.918427	.927319	.943981

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
21	16	.808619	.842452	.867552	.887191	.907535	.919879	.941631	.948820	.961978
	17	.849341	.879384	.901156	.917824	.934682	.944670	.961716	.967160	.976810
	18	.888636	.914229	.932194	.945536	.958583	.966053	.978224	.981918	.988163
	19	.926037	.946332	.959900	.969511	.978414	.983234	.990510	.992536	.995697
	20	.960569	.974383	.982809	.988251	.992777	.994963	.997787	.998442	.999307
	21	.989430	.994995	.997560	.998795	.999522	.999761	.999952	.999976	.999995
	22	.997054	.999372	.999730	.999873	.999952	.999976	.999995	.999999	.999999
	23	.999341	.999784	.999916	.999974	.999995	.999999	.999999	.999999	.999999
	24	.999784	.999916	.999974	.999995	.999999	.999999	.999999	.999999	.999999
	25	.999916	.999974	.999995	.999999	.999999	.999999	.999999	.999999	.999999
22	1	.070544	.099372	.127305	.154373	.188869	.214027	.269473	.292130	.342066
	2	.130073	.165589	.198122	.228444	.265840	.292426	.349448	.372241	.421626
	3	.184605	.224224	.259467	.291613	.330500	.357713	.415063	.437644	.485982
	4	.236523	.278938	.315913	.349122	.388727	.416112	.473038	.495183	.542117
	5	.286695	.331040	.369091	.402846	.442633	.469871	.525829	.547370	.592620
	6	.335548	.381172	.419800	.453704	.493261	.520101	.574661	.595462	.638799
	7	.383326	.429697	.468495	.502221	.541206	.567440	.620241	.640187	.681413
	8	.430181	.476841	.515457	.548724	.586840	.612287	.663012	.682001	.720941
	9	.476209	.522750	.560868	.593423	.630402	.654899	.703263	.721203	.757699
	10	.521472	.567516	.604844	.636453	.672048	.695443	.741181	.757988	.791894
	11	.566007	.611194	.647456	.677895	.711871	.734021	.776884	.792478	.823659
	12	.609931	.653812	.688736	.717789	.749918	.770685	.810431	.824737	.853065
	13	.652945	.695368	.728687	.756138	.786194	.805440	.841836	.854780	.880138
	14	.695329	.735838	.767276	.792907	.820662	.838250	.871065	.882578	.904853
	15	.736945	.775166	.804437	.828021	.853241	.869031	.898035	.908049	.927143
	16	.777732	.813261	.840059	.861353	.883793	.897642	.922606	.931059	.946887
	17	.817588	.849978	.873966	.892711	.912107	.923866	.944567	.951403	.963909
	18	.856359	.885095	.905891	.921794	.937864	.947379	.963606	.968785	.977963
	19	.893792	.918253	.935404	.948133	.960570	.967687	.979279	.982796	.988739
	20	.929439	.948826	.961776	.970944	.979433	.984027	.990961	.992891	.995902
	21	.962369	.975560	.983602	.988794	.993112	.995197	.997890	.998514	.999339
	22	.989908	.995222	.997671	.998850	.999543	.999772	.999955	.999977	.999995
23	1	.067583	.095264	.122123	.148185	.181453	.205754	.259431	.281417	.329981
	2	.124663	.158841	.190204	.219487	.255671	.281444	.336872	.359087	.407343
	3	.176984	.215189	.249249	.280379	.318123	.344595	.400551	.422651	.470094
	4	.226822	.267814	.303638	.335889	.374451	.401183	.456937	.478701	.524574
	5	.275010	.317967	.354932	.387812	.426681	.453365	.508393	.529656	.574483
	6	.321956	.366263	.403899	.437031	.475814	.502212	.556099	.576730	.619883
	7	.367896	.413053	.450975	.484052	.522425	.548339	.600739	.620626	.661912
	8	.412974	.458556	.496435	.529192	.566874	.592133	.642743	.661788	.701037
	9	.457287	.502913	.540456	.572656	.609399	.633847	.682397	.700512	.737567
	10	.500896	.546219	.583155	.614581	.650153	.673649	.719888	.736992	.771711
	11	.543842	.588531	.624606	.655053	.689236	.711648	.755340	.771356	.803608
	12	.586145	.629884	.664852	.694122	.726707	.747904	.788824	.803680	.833339
	13	.627812	.670287	.703907	.731804	.762584	.782441	.820370	.833997	.860944
	14	.668837	.709731	.741757	.768086	.796856	.815248	.849969	.862299	.886424
	15	.709196	.748183	.778364	.802924	.829474	.846274	.877573	.888540	.909738
	16	.748850	.785584	.813656	.836236	.860349	.875427	.903090	.912631	.930807
	17	.787734	.821842	.847520	.867897	.889343	.902565	.926376	.934431	.949505
	18	.825751	.856816	.879785	.897714	.916247	.927473	.947220	.953737	.965652
	19	.862751	.890289	.910191	.925397	.940750	.949834	.965317	.970257	.979007
	20	.898491	.921917	.938324	.950492	.962375	.969172	.980236	.983592	.989261
	21	.932542	.951098	.963485	.972248	.980360	.984749	.991371	.993214	.996088
	22	.964012	.976634	.984326	.989290	.993418	.995410	.997984	.998580	.999369
	23	.990345	.995430	.997772	.998900	.999563	.999782	.999956	.999978	.999996
24	1	.064861	.091482	.117346	.142474	.174596	.198093	.250106	.271454	.318707
	2	.119685	.152620	.182892	.211202	.246246	.271250	.325156	.346814	.393971
	3	.169965	.206852	.239801	.269973	.306630	.332391	.386997	.408623	.455172
	4	.217884	.257538	.292273	.323611	.361170	.387265	.441860	.463238	.508823
	5	.264237	.305879	.341807	.373842	.411812	.437946	.492024	.512992	.557340

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
24	6	.309417	.352465	.389139	.421513	.459520	.485464	.538625	.559056	.601944
	7	.353650	.397633	.434691	.467113	.504849	.530414	.582327	.602112	.643350
	8	.397077	.441596	.478728	.510948	.548149	.573172	.623547	.642592	.682013
	9	.439792	.484491	.521423	.553220	.589650	.613986	.662564	.680785	.718237
	10	.481855	.526412	.562893	.594064	.629507	.653022	.699566	.716884	.752230
	11	.523308	.567420	.603215	.633569	.667823	.690392	.734680	.751022	.784132
	12	.564176	.607553	.642436	.671792	.704663	.726166	.767985	.783282	.814035
	13	.604471	.646828	.680579	.708758	.740056	.760377	.799522	.813708	.841588
	14	.644191	.685245	.717644	.744470	.774008	.793031	.829300	.842310	.868007
	15	.683326	.722787	.753611	.778903	.806491	.824102	.857296	.869067	.892075
	16	.721849	.759417	.788434	.812007	.837451	.853532	.883449	.893920	.914141
	17	.759718	.795074	.822039	.843698	.866795	.881224	.907664	.916774	.934118
	18	.796871	.829666	.854314	.873848	.894384	.907035	.929794	.937487	.951876
	19	.833213	.863055	.885089	.902270	.920013	.930753	.949630	.955856	.967235
	20	.868597	.895033	.914115	.928681	.943379	.952070	.966875	.971596	.979956
	21	.902791	.925265	.940992	.952646	.964022	.970525	.981108	.984317	.989738
	22	.935383	.953177	.965047	.973441	.981207	.985408	.991745	.993508	.996258
	23	.965518	.977618	.984988	.989744	.993697	.995605	.998069	.998641	.999395
	24	.990745	.995620	.997865	.998946	.999581	.999791	.999958	.999979	.999996
25	1	.062349	.087989	.112928	.137185	.168236	.190981	.241422	.262166	.308169
	2	.115088	.146867	.176121	.203517	.237486	.261763	.314217	.335339	.381428
	3	.163482	.199135	.231040	.260306	.295930	.321012	.374311	.395474	.441135
	4	.209622	.248018	.281723	.312190	.348784	.374262	.427718	.448708	.493587
	5	.254273	.294671	.329608	.360828	.397923	.423513	.476633	.497295	.541123
	6	.297813	.339659	.375405	.407037	.444274	.469758	.522158	.542365	.584923
	7	.340459	.383309	.419520	.451288	.488374	.513571	.564931	.584580	.625682
	8	.382348	.425824	.462209	.493877	.530561	.555316	.605359	.624359	.663841
	9	.423570	.467341	.503642	.535001	.571061	.595235	.643715	.661984	.699700
	10	.464187	.507952	.543933	.574794	.610027	.633495	.680186	.697649	.733464
	11	.504239	.547717	.583162	.613347	.647564	.670207	.714899	.731486	.765275
	12	.543755	.586679	.621378	.650718	.683739	.705447	.747938	.763583	.795229
	13	.582748	.624859	.658611	.686943	.718592	.739256	.779354	.793994	.823383
	14	.621223	.662264	.694870	.722032	.752138	.771651	.809168	.822741	.849766
	15	.659176	.698888	.730147	.755976	.784366	.802622	.837372	.849818	.874377
	16	.696591	.734708	.764414	.788745	.815244	.832136	.863931	.875193	.897185
	17	.733440	.769684	.797622	.820283	.844710	.860129	.888782	.898800	.918131
	18	.769682	.803755	.829696	.850505	.872669	.886502	.911823	.920540	.937125
	19	.805253	.836829	.860525	.879283	.898984	.911110	.932907	.940270	.954033
	20	.840061	.868772	.889944	.906436	.923453	.933748	.951829	.957789	.968677
	21	.873965	.899382	.917709	.931689	.945784	.954115	.968298	.972819	.980822
	22	.906742	.928338	.943437	.954621	.965530	.971765	.981907	.984981	.990173
	23	.937994	.955087	.966480	.974535	.981984	.986012	.992088	.993778	.996414
	24	.966903	.978522	.985597	.990160	.993954	.995784	.998148	.998696	.999420
	25	.991114	.995794	.997950	.998988	.999598	.999800	.999960	.999980	.999996
26	1	.060024	.084753	.108830	.132275	.162322	.184359	.233318	.253487	.298296
	2	.110832	.141532	.169831	.196370	.229325	.252912	.303981	.324587	.369643
	3	.157474	.191971	.222894	.251303	.285945	.310376	.362415	.383125	.427910
	4	.201962	.239174	.271902	.301540	.331208	.362090	.414428	.435033	.479197
	5	.245030	.284249	.318242	.348679	.384923	.409980	.462142	.482488	.525766
	6	.287044	.327743	.362595	.393506	.429982	.455004	.506619	.526586	.568763
	7	.328210	.369968	.405354	.436475	.472905	.497720	.548478	.567965	.608859
	8	.368663	.411124	.446767	.477875	.514019	.538479	.588116	.607034	.646486
	9	.408490	.451341	.486998	.517896	.553545	.577518	.625799	.644069	.681936
	10	.447751	.490711	.526162	.556672	.591632	.615000	.661709	.679260	.715411
	11	.486488	.529295	.564337	.594292	.628388	.651038	.695975	.712740	.747055
	12	.524728	.567135	.601576	.630820	.663881	.685710	.728686	.744601	.776966
	13	.562489	.604258	.637911	.666292	.698157	.719064	.759896	.774902	.805207
	14	.599780	.640676	.673358	.700728	.731238	.751123	.789636	.803674	.831816
	15	.636600	.676389	.707918	.734129	.763126	.781892	.817911	.830923	.856802

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
26	16	.672940	.711385	.741576	.766478	.793804	.811352	.844703	.856634	.880151
	17	.708782	.745637	.774300	.797740	.823230	.839461	.869971	.880765	.901827
	18	.744099	.779105	.806040	.827856	.851342	.866153	.893645	.903247	.921764
	19	.778848	.811727	.836718	.856740	.878044	.891327	.915621	.923978	.939867
	20	.812568	.843412	.866226	.884268	.903198	.914842	.935755	.942814	.956004
	21	.846367	.874030	.894404	.910260	.926610	.936494	.953843	.959559	.969998
	22	.878912	.903385	.921014	.934452	.947992	.955992	.969604	.973941	.981617
	23	.910384	.931168	.945688	.956437	.966917	.972904	.982641	.985591	.990573
	24	.940403	.956846	.967801	.975542	.982699	.986569	.992403	.994026	.996557
	25	.968180	.979356	.986158	.990545	.994190	.995949	.998221	.998747	.999443
	26	.991454	.995956	.998029	.999027	.999614	.999807	.999962	.999981	.999996
27	1	.057867	.081746	.105019	.127703	.156809	.178180	.225736	.245360	.289029
	2	.106879	.136570	.163974	.189706	.221703	.244636	.294384	.314495	.358550
	3	.151891	.185304	.215300	.242898	.276606	.300416	.351240	.371509	.415433
	4	.194840	.230937	.262739	.291587	.326367	.350672	.401920	.422143	.465588
	5	.236434	.274536	.307626	.337311	.372730	.397266	.448476	.468504	.511210
	6	.277023	.316628	.350620	.380830	.416560	.441123	.491937	.511652	.553408
	7	.316808	.357516	.392098	.422583	.458356	.482782	.532903	.552206	.592835
	8	.355917	.397391	.432302	.462849	.498438	.522584	.571758	.590564	.629910
	9	.394437	.436382	.471392	.501814	.537018	.560761	.608761	.626994	.664919
	10	.432425	.474576	.509478	.539607	.574246	.597472	.644093	.661685	.698062
	11	.469924	.512037	.546640	.576320	.610226	.632830	.677882	.694767	.729480
	12	.506963	.548807	.582931	.612016	.645031	.666914	.710217	.726336	.759273
	13	.543559	.584914	.618387	.646736	.678708	.699776	.741159	.756454	.787511
	14	.579723	.620374	.653028	.680503	.711286	.731446	.770743	.785159	.814235
	15	.615460	.655193	.686861	.713327	.742775	.761937	.798983	.812466	.839464
	16	.650764	.689366	.719880	.745201	.773167	.791240	.825876	.838371	.863197
	17	.685626	.722876	.752066	.776103	.802440	.819333	.851395	.862851	.885412
	18	.720026	.755695	.783383	.805993	.830549	.846168	.875492	.885856	.906064
	19	.753935	.787782	.813780	.834812	.857428	.871676	.898097	.907317	.925086
	20	.787311	.819073	.843181	.862473	.882981	.895757	.919104	.927129	.942379
	21	.820093	.849482	.871478	.888855	.907074	.918271	.938370	.945150	.957813
	22	.852195	.878881	.898515	.913783	.929515	.939020	.955696	.961186	.971211
	23	.883484	.907081	.924064	.937000	.950028	.957721	.970806	.974974	.982349
	24	.913751	.933783	.947767	.958113	.968196	.973955	.983317	.986153	.990942
	25	.942631	.958473	.969022	.976473	.983360	.987082	.992695	.994256	.996689
	26	.969363	.980128	.986677	.990900	.994409	.996101	.998288	.998794	.999464
	27	.991769	.996105	.998102	.999063	.999628	.999814	.999963	.999981	.999996
28	1	.055859	.078945	.101466	.123436	.151657	.172400	.218629	.237735	.280314
	2	.103198	.131943	.158507	.183478	.214569	.236881	.285367	.305004	.348097
	3	.146690	.179083	.208205	.235035	.267853	.291068	.340721	.360564	.403643
	4	.188204	.223245	.254170	.282264	.316193	.339941	.390127	.409975	.452703
	5	.228419	.265461	.297691	.326653	.361275	.385301	.435572	.455280	.497399
	6	.267675	.306237	.339402	.368933	.403933	.428042	.478050	.497503	.538808
	7	.306167	.345867	.379670	.409531	.444652	.468685	.518144	.537247	.577564
	8	.344017	.384535	.418728	.448715	.483740	.507561	.556227	.574897	.614076
	9	.381310	.422367	.456731	.486668	.521407	.544897	.592551	.610716	.648621
	10	.418103	.459448	.493789	.523516	.557796	.580848	.627295	.644888	.681397
	11	.454437	.495842	.529979	.559350	.593013	.615526	.660585	.677545	.712543
	12	.490341	.531590	.565355	.594232	.627130	.649012	.692512	.708780	.742162
	13	.525834	.566723	.599956	.628206	.660197	.681358	.723138	.738659	.770324
	14	.560930	.601259	.633803	.661301	.692247	.712602	.752503	.767225	.797076
	15	.595633	.635207	.666910	.693529	.723296	.742759	.780629	.794500	.822443
	16	.629944	.668567	.699275	.724891	.753344	.771833	.807520	.820490	.846434
	17	.663857	.701330	.730889	.755376	.782380	.799809	.833163	.845182	.869037
	18	.697359	.733479	.761729	.784957	.810374	.826658	.857526	.868544	.890225
	19	.730429	.764982	.791758	.813593	.837280	.852331	.880560	.890527	.909948
	20	.763039	.795799	.820923	.841224	.863031	.876758	.902188	.911056	.928135

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
28	21	.795147	.825866	.849149	.867763	.887532	.899839	.922309	.930028	.944689
	22	.826694	.855098	.876331	.893092	.910650	.921435	.940779	.947302	.959478
	23	.857595	.883372	.902318	.917039	.932199	.941353	.957405	.962688	.972330
	24	.887723	.910504	.926886	.939357	.951910	.959319	.971917	.975928	.983024
	25	.916875	.936206	.949692	.959664	.969380	.974928	.983943	.986673	.991283
	26	.944698	.959982	.970153	.977335	.983972	.987558	.992965	.994468	.996812
	27	.970461	.980843	.987159	.991229	.994612	.996243	.998350	.998838	.999483
	28	.992062	.996244	.998170	.999096	.999641	.999821	.999964	.999982	.999996
29	1	.053986	.076329	.098145	.119445	.146832	.166982	.211954	.230566	.272104
	2	.099762	.127620	.153392	.177644	.207878	.229600	.276882	.296062	.338216
	3	.141834	.173265	.201561	.227662	.259633	.282279	.330806	.350234	.392488
	4	.182003	.216048	.246139	.273515	.306628	.329840	.378993	.398472	.440488
	5	.220929	.256964	.288372	.316641	.350492	.374023	.423369	.442757	.484282
	6	.258936	.296502	.328873	.357748	.392034	.415696	.464897	.484083	.524915
	7	.296214	.334946	.367996	.397247	.431723	.455362	.504142	.523033	.563003
	8	.332883	.372476	.405966	.435400	.469858	.493345	.541468	.559984	.598945
	9	.369022	.409211	.442936	.472384	.506641	.529862	.577120	.595191	.633011
	10	.404690	.445238	.479012	.508323	.542216	.565068	.611272	.628834	.665395
	11	.439925	.480617	.514270	.543306	.576685	.599072	.644050	.661043	.696235
	12	.474758	.515391	.548765	.577395	.610120	.631955	.675545	.691914	.725634
	13	.509208	.549591	.582536	.610637	.642574	.663773	.705820	.721512	.753664
	14	.543289	.583237	.615608	.643061	.674082	.694564	.734919	.749885	.780374
	15	.577008	.616341	.647995	.674685	.704663	.724349	.762870	.777059	.805795
	16	.610368	.648906	.679704	.705514	.734327	.753138	.789681	.803047	.829942
	17	.643367	.680929	.710729	.735545	.763066	.780926	.815350	.827845	.852814
	18	.675996	.712398	.741056	.764760	.790864	.807693	.839857	.851434	.874393
	19	.708242	.743294	.770660	.793131	.817689	.833406	.863167	.873779	.894645
	20	.740083	.773585	.799504	.820616	.843493	.858016	.885227	.894827	.913520
	21	.771492	.803229	.827535	.847154	.868208	.881451	.905962	.914503	.930944
	22	.802426	.832165	.854678	.872660	.891740	.903611	.925269	.932704	.946819
	23	.832827	.860309	.880831	.897016	.913960	.924361	.943007	.949290	.961016
	24	.862614	.887542	.905845	.920058	.934685	.943514	.958986	.964077	.973365
	25	.891664	.913684	.929506	.941544	.953655	.960801	.972946	.976812	.983649
	26	.919780	.938458	.951480	.961105	.970479	.975830	.984523	.987156	.991599
	27	.946622	.961384	.971204	.978136	.984540	.988000	.993215	.994665	.996526
	28	.971483	.981510	.987606	.991536	.994800	.996375	.998408	.998879	.999501
	29	.992335	.996373	.998233	.999127	.999653	.999827	.999965	.999983	.999997
30	1	.052234	.073881	.095034	.115703	.142304	.161894	.205672	.223814	.264357
	2	.096547	.123570	.148596	.172169	.201590	.222751	.268882	.287624	.328876
	3	.137288	.167813	.195326	.220735	.251899	.274001	.321443	.340470	.381919
	4	.176197	.209299	.238598	.265288	.297619	.320314	.368465	.387583	.428895
	5	.213912	.248992	.279615	.307218	.340327	.363376	.411814	.430885	.471811
	6	.250748	.287364	.318971	.347212	.380805	.404027	.452424	.471340	.511682
	7	.286886	.324689	.357009	.385667	.419508	.442756	.490846	.509516	.549110
	8	.322442	.361142	.393947	.422837	.456727	.479875	.527431	.545778	.584479
	9	.357496	.396840	.429934	.458894	.492660	.515598	.562419	.580375	.618057
	10	.392103	.431867	.465073	.493959	.527445	.550076	.595981	.613484	.650031
	11	.426302	.466281	.499439	.528120	.561183	.583416	.628240	.645233	.680539
	12	.460122	.500126	.533086	.561440	.593947	.615699	.659287	.675717	.709683
	13	.493583	.533434	.566055	.593965	.625789	.646981	.689186	.705003	.737535
	14	.526701	.566225	.598371	.625727	.656748	.677302	.717984	.733140	.764147
	15	.559483	.598512	.630052	.656745	.686846	.706689	.745711	.760159	.789556
	16	.591935	.630304	.661107	.687030	.716095	.735153	.772383	.786077	.813779
	17	.624056	.661599	.691536	.716582	.744496	.762697	.798002	.810898	.836822
	18	.655841	.692392	.721330	.745392	.772039	.789311	.822558	.834611	.858677
	19	.687283	.722668	.750474	.773442	.798704	.814972	.846028	.857194	.879323
	20	.718365	.752406	.778941	.800701	.824456	.839644	.868374	.878609	.898721

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
30	21	.749C67	.781576	.806692	.827126	.849246	.863277	.889541	.898800	.916818
	22	.779360	.810135	.833674	.852655	.873006	.885797	.909454	.917692	.933541
	23	.809203	.838023	.859815	.877205	.895644	.907108	.928010	.935182	.948791
	24	.838540	.865158	.885013	.900662	.917033	.927077	.945072	.951134	.962441
	25	.867291	.891423	.909126	.922864	.936995	.945520	.960454	.965366	.974325
	26	.895337	.916645	.931944	.943578	.955278	.962178	.973902	.977633	.984230
	27	.922489	.940556	.953145	.962447	.971502	.976670	.985063	.987604	.991893
	28	.948416	.962692	.972184	.978883	.985070	.988417	.993449	.994849	.997032
	29	.972437	.982131	.988024	.991822	.994976	.996497	.998462	.998917	.999518
	30	.992589	.998494	.998292	.999156	.999665	.999833	.999967	.999983	.999997
31	1	.C50593	.071585	.092114	.112189	.138046	.157105	.199750	.217444	.257036
	2	.C93533	.119769	.144090	.167021	.195669	.216297	.261328	.279649	.320032
	3	.133024	.162693	.189464	.214216	.244610	.266191	.312590	.331227	.371892
	4	.170750	.202958	.231503	.257539	.289119	.311317	.358496	.377261	.417878
	5	.207327	.241497	.271371	.298336	.330727	.353309	.400858	.419615	.459541
	6	.243060	.278768	.309644	.337272	.370190	.392982	.440584	.459227	.499069
	7	.278124	.315037	.346653	.374732	.407951	.430810	.478206	.496649	.535844
	8	.312634	.350471	.382610	.410964	.444292	.467098	.514068	.532235	.570643
	9	.346664	.385187	.417660	.446134	.479404	.502052	.548404	.566228	.603727
	10	.380269	.419264	.451904	.480361	.513424	.535820	.581380	.598802	.635279
	11	.413488	.452760	.485416	.513730	.546451	.568508	.613118	.630083	.665436
	12	.446350	.485720	.518249	.546304	.578557	.600196	.643707	.660165	.694297
	13	.478875	.518174	.550443	.578130	.609795	.630940	.673213	.689115	.721936
	14	.511077	.550144	.582027	.609241	.640203	.660783	.701684	.716984	.748407
	15	.542968	.581645	.613018	.639658	.669808	.689752	.729152	.743806	.773748
	16	.574552	.612687	.643428	.669394	.698624	.717864	.755637	.769602	.797582
	17	.605832	.643271	.673261	.698454	.726657	.745125	.781147	.794379	.821119
	18	.636805	.673395	.702513	.726835	.753903	.771531	.805678	.818137	.843157
	19	.667466	.703051	.731174	.754524	.780349	.797070	.829216	.840859	.864085
	20	.697804	.732223	.759225	.781500	.805971	.821714	.851736	.862520	.883876
	21	.727805	.760890	.786640	.807733	.830734	.845428	.873196	.883080	.902490
	22	.757448	.789020	.813378	.833176	.854588	.868158	.893541	.902482	.919872
	23	.786702	.816571	.839389	.857771	.877465	.889834	.912695	.920650	.935948
	24	.815530	.843484	.864599	.881436	.899275	.910360	.930557	.937483	.950627
	25	.843875	.869680	.888911	.904058	.919893	.929604	.946993	.952848	.963766
	26	.871660	.895044	.912186	.925480	.939147	.947389	.961821	.966566	.975219
	27	.898770	.919410	.934220	.945476	.956790	.963462	.974793	.978398	.984771
	28	.925021	.942516	.954700	.963698	.972456	.977453	.985567	.988023	.992167
	29	.950094	.963914	.973100	.979580	.985564	.988797	.993667	.995020	.997130
	30	.973328	.982712	.988415	.992089	.995141	.996612	.998512	.998953	.999534
	31	.992828	.996607	.998347	.999184	.999676	.999838	.999968	.999984	.999997
32	1	.049051	.069428	.089368	.108881	.134036	.152591	.194158	.211425	.250105
	2	.C90701	.116195	.139849	.162171	.190086	.210204	.254183	.272100	.311644
	3	.129017	.157875	.183943	.208069	.237728	.258811	.304205	.322467	.362368
	4	.165629	.196989	.224816	.250227	.281108	.302806	.349043	.367464	.407399
	5	.201134	.234439	.263597	.289948	.321647	.343777	.390457	.408905	.448634
	6	.235828	.270670	.300842	.327879	.360142	.382514	.429330	.447702	.487034
	7	.269880	.305938	.336874	.364392	.397002	.419478	.466178	.484389	.523168
	8	.303401	.340408	.371899	.399728	.432499	.454963	.501337	.519313	.557402
	9	.336465	.374191	.406057	.434049	.468822	.489173	.535033	.552711	.589990
	10	.369124	.407365	.439447	.467471	.500103	.522251	.567430	.584753	.621113
	11	.401416	.439989	.472140	.500078	.532438	.554301	.598648	.615562	.650904
	12	.433369	.472104	.504191	.531931	.563901	.585402	.628774	.645231	.679461
	13	.465005	.503742	.535639	.563078	.594544	.615612	.657875	.673828	.706860
	14	.496339	.534925	.566513	.593551	.624405	.644971	.686000	.701405	.733154
	15	.527381	.565669	.596832	.623374	.653513	.673511	.713182	.727997	.758384

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
32	16	.558137	.595985	.626609	.652563	.681885	.701251	.739445	.753629	.782576
	17	.588611	.625878	.655851	.681125	.709530	.728200	.764799	.778311	.805743
	18	.618804	.655347	.684559	.709060	.736448	.754359	.789248	.802049	.827891
	19	.648711	.684387	.712725	.736362	.762632	.779722	.812783	.824833	.849012
	20	.678325	.712989	.740338	.763016	.788067	.804270	.835387	.846646	.869089
	21	.707637	.741137	.767378	.789000	.812727	.827978	.857031	.867459	.888094
	22	.736631	.768808	.793817	.814281	.836575	.850806	.877674	.887230	.905986
	23	.765284	.795971	.819615	.838815	.859562	.872701	.897259	.905903	.922708
	24	.793570	.822583	.844722	.862543	.881620	.893594	.915710	.923402	.938187
	25	.821449	.848588	.869067	.885384	.902661	.913390	.932929	.939626	.952325
	26	.848868	.873908	.892553	.907228	.922562	.931961	.948783	.954445	.965000
	27	.875750	.898431	.915045	.927924	.941156	.949134	.963096	.967685	.976052
	28	.901984	.921997	.936347	.947249	.958204	.964661	.975625	.979112	.985276
	29	.927392	.944351	.956155	.964869	.973349	.978185	.986037	.988414	.992424
	30	.951666	.965059	.973957	.980233	.986027	.989156	.993870	.995181	.997223
	31	.974164	.983256	.988781	.992339	.995294	.996719	.998560	.998986	.999549
	32	.993051	.996713	.998398	.999209	.999686	.999843	.999969	.999984	.999997
33	1	.047601	.067397	.086781	.105763	.130251	.148329	.188869	.205729	.243536
	2	.088036	.112828	.135851	.157594	.184810	.204444	.247416	.264945	.303679
	3	.125244	.153334	.178734	.202264	.231221	.251826	.296254	.314152	.353311
	4	.160806	.191360	.218503	.243316	.273487	.294744	.340069	.358155	.397420
	5	.195300	.227780	.256253	.282016	.313048	.334740	.380572	.398716	.437852
	6	.229012	.263026	.292523	.318990	.350618	.372580	.418622	.436723	.475543
	7	.262109	.297347	.327627	.354601	.386615	.408713	.454721	.472697	.511048
	8	.294696	.330902	.361764	.389081	.421303	.443426	.489195	.506975	.544723
	9	.326845	.363799	.395071	.422589	.454865	.476917	.522266	.539788	.576817
	10	.358608	.396116	.427645	.455238	.487432	.509324	.554094	.571302	.607506
	11	.390722	.427908	.459556	.487111	.519098	.540752	.584795	.601639	.636921
	12	.421115	.459217	.490856	.518267	.549933	.571277	.614457	.630889	.665159
	13	.451907	.490074	.521585	.548755	.579991	.600956	.643146	.659121	.692296
	14	.482414	.520503	.551772	.578606	.609312	.629832	.670911	.686388	.718386
	15	.512647	.550519	.581438	.607847	.637923	.657937	.697787	.712725	.743470
	16	.542614	.580135	.610597	.636493	.665845	.685291	.723800	.738159	.767576
	17	.572317	.609357	.639258	.664556	.693088	.711907	.748964	.762707	.790723
	18	.601760	.638186	.667423	.692037	.719658	.737790	.773285	.786373	.812918
	19	.630941	.666621	.695090	.718934	.745550	.762937	.796761	.809157	.834160
	20	.659854	.694656	.722251	.745238	.770755	.787337	.819380	.831046	.854438
	21	.688493	.722278	.748892	.770934	.795255	.810971	.841123	.852022	.873733
	22	.716847	.749473	.774992	.795997	.819023	.833812	.861958	.872052	.892014
	23	.744899	.776215	.800524	.820395	.842023	.855819	.881844	.891094	.909238
	24	.772629	.802476	.825447	.844083	.864205	.876940	.900724	.909091	.925349
	25	.800009	.828212	.849712	.867004	.885501	.897105	.918523	.925968	.940273
	26	.827000	.853369	.873248	.889077	.905826	.916222	.935144	.941626	.953915
	27	.853550	.877870	.895963	.910196	.925059	.934165	.950457	.955937	.966153
	28	.879587	.901607	.917725	.930212	.943037	.950766	.964289	.968731	.976830
	29	.905000	.924423	.938342	.948911	.959528	.965784	.976404	.979781	.985749
	30	.929618	.946077	.957519	.965967	.974185	.978871	.986478	.988780	.992664
	31	.953142	.966133	.974761	.980845	.986461	.989494	.994061	.995331	.997310
	32	.974949	.983767	.989124	.992574	.995439	.996820	.998604	.999017	.999563
	33	.993261	.996812	.998447	.999233	.999695	.999848	.999970	.999985	.999997
34	1	.046234	.065481	.084340	.102818	.126674	.144298	.183860	.200330	.237301
	2	.085522	.109650	.132074	.153268	.179819	.198989	.240997	.258153	.296106
	3	.121685	.149046	.173811	.196773	.225059	.245205	.288703	.306249	.344689
	4	.156255	.186043	.212534	.236775	.266283	.287096	.331538	.349297	.387906
	5	.189794	.221488	.249305	.274503	.304892	.326159	.371166	.389011	.427560

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
34	6	.222579	.255800	.284649	.310566	.341579	.363141	.408422	.426255	.464562
	7	.254772	.289222	.318869	.345315	.376748	.398476	.443797	.461537	.499450
	8	.286475	.321908	.352161	.378978	.410660	.432445	.477606	.495185	.532575
	9	.317758	.353964	.384657	.411708	.443491	.465240	.510067	.527424	.564177
	10	.348672	.385464	.416450	.443615	.475368	.496998	.541335	.559417	.594431
	11	.379253	.416463	.447611	.474781	.506384	.527819	.571526	.588283	.623464
	12	.409528	.447003	.478190	.505265	.536609	.557780	.600725	.617112	.651372
	13	.439518	.477114	.508228	.535114	.566096	.586936	.628998	.644971	.678231
	14	.469239	.506819	.537752	.564360	.594884	.615332	.656394	.671914	.704094
	15	.498701	.536137	.566785	.593031	.623002	.642999	.682950	.697978	.729004
	16	.527914	.565077	.595342	.621142	.650472	.669959	.708693	.723190	.752991
	17	.556890	.593650	.623433	.648707	.677306	.696228	.733638	.747569	.776075
	18	.585605	.621857	.651062	.675731	.703512	.721812	.757796	.771124	.798268
	19	.614086	.649699	.678230	.702213	.729090	.746714	.781168	.793858	.819572
	20	.642322	.677173	.704932	.728150	.754035	.770926	.803748	.815764	.839981
	21	.670308	.704271	.731159	.753529	.778333	.794437	.825521	.836829	.859483
	22	.698035	.730980	.756895	.778335	.801967	.817224	.846467	.857030	.878056
	23	.725491	.757285	.782120	.802541	.824907	.839260	.866554	.876335	.895666
	24	.752662	.783161	.806805	.826117	.847118	.860504	.885737	.894700	.912272
	25	.779577	.808577	.830912	.849016	.868549	.880904	.903962	.912069	.927815
	26	.806057	.833494	.854389	.871183	.889135	.900391	.921154	.928367	.942223
	27	.832215	.857856	.877170	.892538	.908791	.918874	.937217	.943498	.955401
	28	.857951	.881590	.899163	.912979	.927399	.936231	.952024	.957335	.967232
	29	.883194	.904589	.920240	.932359	.944801	.952297	.965406	.969712	.977560
	30	.907836	.926702	.940214	.950472	.960771	.966838	.977135	.980408	.986192
	31	.931171	.947690	.958800	.966998	.974970	.979516	.986892	.989124	.992889
	32	.954530	.967143	.975517	.981420	.986869	.989811	.994241	.995472	.997391
	33	.975698	.984248	.989447	.992795	.995575	.996915	.998645	.999046	.999576
	34	.993458	.996906	.998493	.999256	.999704	.999853	.999971	.999985	.999997
35	1	.044943	.063671	.082032	.100032	.123288	.140479	.179109	.195206	.231375
	2	.093148	.106646	.128501	.149172	.175090	.193817	.234901	.251698	.288898
	3	.118323	.144992	.169152	.191571	.219215	.238922	.281525	.298731	.336470
	4	.151955	.181012	.206881	.230575	.259447	.279832	.323419	.340861	.378828
	5	.194590	.215533	.242722	.267378	.297146	.318003	.362206	.379758	.417728
	6	.216457	.248959	.277185	.302571	.332988	.354161	.398697	.416265	.454058
	7	.247833	.281527	.310564	.336498	.367365	.388730	.433371	.450875	.488344
	8	.278698	.313387	.343050	.369379	.400531	.421983	.466535	.483908	.520928
	9	.309160	.344642	.374770	.401363	.432658	.454106	.498401	.515586	.552044
	10	.339268	.375363	.405818	.432559	.463870	.485234	.529121	.546066	.581863
	11	.369058	.405607	.436260	.463045	.494257	.515465	.558809	.575465	.610510
	12	.398556	.435412	.466147	.492880	.523889	.544874	.587549	.603873	.638081
	13	.427784	.464809	.495519	.522110	.552818	.573517	.615405	.631355	.664648
	14	.456756	.493821	.524404	.550769	.581084	.601436	.642427	.657965	.690268
	15	.485483	.522466	.552824	.578882	.608715	.628666	.668653	.683741	.714982
	16	.513975	.550757	.580796	.606469	.635734	.655228	.694109	.708711	.738827
	17	.542237	.578702	.608330	.633542	.662156	.681140	.718815	.732896	.761810
	18	.570272	.606305	.635432	.660109	.687989	.706411	.742782	.756308	.783959
	19	.598082	.633570	.662105	.686171	.713238	.731046	.766015	.778952	.805276
	20	.625664	.660493	.688347	.711729	.737899	.755040	.788511	.800826	.825760
	21	.653017	.687071	.714151	.736773	.761964	.778387	.810263	.821922	.845402
	22	.680133	.713294	.739508	.761292	.785421	.801072	.831254	.842223	.864186
	23	.707005	.739150	.764400	.785268	.808248	.823073	.851461	.861706	.882089
	24	.733621	.764621	.788808	.809676	.830417	.844359	.870851	.880337	.899078
	25	.759965	.789685	.812701	.831483	.851892	.864892	.889381	.898073	.915108
	26	.786017	.814312	.836043	.853645	.872622	.884619	.906995	.914857	.930122
	27	.811749	.838460	.858783	.875106	.892545	.903472	.923619	.930615	.944048
	28	.837125	.862077	.880856	.895790	.911574	.921367	.939161	.945253	.956795
	29	.862095	.885089	.902172	.915594	.929597	.938170	.953495	.958646	.968244
	30	.886590	.907396	.922606	.934378	.946459	.953735	.966456	.970633	.978245

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
35	31	.910508	.928848	.941977	.951939	.961939	.967829	.977821	.980997	.986609
	32	.933685	.949213	.960007	.967969	.975709	.980122	.987281	.989447	.993101
	33	.955838	.968094	.976229	.981962	.987253	.990109	.994410	.995605	.997468
	34	.976385	.984701	.989751	.993003	.995703	.997004	.998685	.999074	.999588
	35	.993645	.996994	.998536	.999277	.999713	.999857	.999971	.999986	.999997
36	1	.043722	.061958	.079847	.097394	.120077	.136857	.174596	.190336	.225736
	2	.080903	.103803	.125116	.145289	.170602	.188906	.229104	.245556	.282029
	3	.115141	.141152	.164735	.186637	.213665	.232951	.274691	.291569	.328629
	4	.147885	.176246	.201520	.224690	.252951	.272923	.315684	.332816	.370157
	5	.179663	.209889	.236476	.260611	.289781	.310240	.353661	.370927	.408326
	6	.210737	.242473	.270100	.294975	.324814	.345608	.389415	.406721	.444004
	7	.241261	.274229	.302677	.328116	.358432	.379441	.423411	.440679	.477702
	8	.271330	.305303	.334393	.360248	.390881	.412003	.455948	.473116	.509754
	9	.301013	.335794	.365373	.391518	.422330	.443478	.487236	.504244	.540391
	10	.330355	.365774	.395707	.422030	.452900	.473996	.517421	.534220	.565777
	11	.359393	.395296	.425460	.451861	.482679	.503654	.546614	.563159	.598038
	12	.388153	.424398	.454684	.481071	.511736	.532525	.574900	.591146	.625266
	13	.416654	.453112	.483415	.509703	.540121	.560664	.602341	.618249	.651533
	14	.444912	.481460	.511683	.537791	.567875	.588114	.628986	.644520	.676896
	15	.472938	.509460	.539511	.565362	.595026	.614909	.654875	.669998	.701396
	16	.500742	.537124	.566914	.592435	.621599	.641072	.680034	.694711	.725066
	17	.528329	.564663	.593905	.619023	.647608	.666622	.704484	.718683	.747530
	18	.555704	.591482	.620491	.645136	.673064	.691569	.728238	.741926	.770003
	19	.582868	.618184	.646676	.670778	.697972	.715919	.751305	.764449	.791293
	20	.609821	.644569	.672459	.695949	.722334	.739674	.773683	.786252	.811804
	21	.636562	.670634	.697838	.720646	.746143	.762828	.795370	.807332	.831530
	22	.663086	.696373	.722805	.744859	.769392	.785371	.816354	.827676	.850462
	23	.689387	.721778	.747348	.768576	.792064	.807288	.836618	.847269	.868581
	24	.715456	.746834	.771452	.791777	.814140	.828555	.856137	.866084	.885862
	25	.741281	.771525	.795094	.814438	.835589	.849143	.874878	.884087	.902271
	26	.766848	.795827	.818246	.836526	.856375	.869011	.892797	.901236	.917765
	27	.792134	.819711	.840871	.857998	.876450	.888109	.909840	.917473	.932285
	28	.817115	.843137	.862919	.878797	.895750	.906368	.925935	.932726	.945762
	29	.841755	.866053	.884326	.898849	.914192	.923702	.940988	.946902	.958104
	30	.866004	.888388	.905006	.918056	.931666	.939995	.954878	.959879	.969195
	31	.889795	.910042	.924835	.936280	.948020	.955089	.967444	.971500	.978889
	32	.913028	.930872	.943638	.953322	.963040	.968762	.978468	.981552	.987001
	33	.935546	.950650	.961145	.968884	.976406	.980693	.987648	.989752	.993300
	34	.957074	.968992	.976901	.982474	.987615	.990390	.994569	.995731	.997540
	35	.977042	.985125	.990039	.993200	.995824	.997089	.998722	.999100	.999600
	36	.993821	.997078	.998576	.999297	.999721	.999861	.999972	.999986	.999997
37	1	.042566	.060335	.077775	.094891	.117030	.133417	.170304	.185703	.220364
	2	.078775	.101106	.121905	.141603	.166338	.184237	.223584	.239704	.275476
	3	.112126	.137509	.160542	.181949	.208389	.227270	.268179	.284738	.321139
	4	.144026	.171725	.196429	.219096	.246770	.266345	.308306	.325137	.361866
	5	.174991	.204532	.230543	.254176	.282769	.302843	.345504	.362490	.399328
	6	.205275	.236315	.263366	.287748	.317027	.337453	.380547	.397595	.434371
	7	.235027	.267298	.295179	.320137	.349917	.370578	.413887	.430922	.467496
	8	.264341	.297623	.326159	.351552	.381678	.402476	.445818	.462777	.499028
	9	.293282	.327386	.356431	.382136	.412474	.433325	.476542	.493370	.529192
	10	.321897	.356658	.386081	.411992	.442425	.463252	.506204	.522852	.558151
	11	.350219	.385490	.415174	.441194	.471616	.492353	.534913	.551336	.586025
	12	.378274	.413921	.443760	.469800	.500114	.520699	.562750	.578970	.612907
	13	.406083	.441980	.471875	.497853	.527971	.548345	.589779	.605631	.638868
	14	.433360	.469691	.499549	.525389	.555224	.575334	.616048	.631560	.663964
	15	.461017	.497070	.526803	.552432	.581905	.601699	.641595	.656732	.688237

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
37	16	.488164	.524133	.553656	.579003	.608036	.627464	.666449	.681178	.711719
	17	.515105	.550887	.580119	.605116	.633634	.652649	.690632	.704920	.734437
	18	.541847	.577340	.606200	.630780	.658710	.677265	.714157	.727974	.756405
	19	.568391	.603496	.631905	.656003	.683273	.701320	.737035	.750350	.777637
	20	.594739	.629356	.657235	.680786	.707324	.724818	.759268	.772051	.798136
	21	.620888	.654919	.682189	.705127	.730861	.747756	.780856	.793077	.817901
	22	.646838	.680180	.706761	.729021	.753878	.770129	.801791	.813419	.836925
	23	.672583	.705134	.730945	.752458	.776365	.791923	.822061	.833066	.855197
	24	.698117	.729770	.754727	.775424	.798305	.813123	.841647	.851998	.872697
	25	.723430	.754076	.778091	.797900	.819677	.833705	.860525	.870190	.889399
	26	.748511	.778033	.801015	.819861	.840452	.853639	.878659	.887608	.905268
	27	.773345	.801619	.823471	.841275	.860594	.872885	.896008	.904207	.920260
	28	.797911	.824805	.845421	.862097	.880053	.891392	.912517	.919932	.934318
	29	.822184	.847550	.866819	.882275	.898769	.909095	.928113	.934712	.947373
	30	.846128	.869806	.887600	.901734	.916659	.925907	.942708	.948454	.959335
	31	.869697	.891502	.907680	.920379	.933617	.941715	.956181	.961041	.970091
	32	.892823	.912541	.926939	.938074	.949493	.956366	.968375	.972317	.979497
	33	.915411	.932783	.945207	.954628	.964079	.969643	.979078	.982075	.987370
	34	.937306	.952008	.962220	.969748	.977064	.981232	.987994	.990039	.993488
	35	.958242	.969841	.977535	.982956	.987957	.990656	.994720	.995849	.997608
	36	.977665	.985534	.990310	.993385	.995938	.997168	.998757	.999125	.999561
	37	.993587	.997156	.998615	.999316	.999728	.999865	.999973	.999986	.999997
38	1	.041469	.058795	.075808	.092513	.114133	.130146	.166218	.181289	.215240
	2	.076757	.098547	.118854	.138099	.162282	.179793	.218323	.234123	.269218
	3	.109265	.134050	.156557	.177491	.203366	.221858	.261965	.278218	.313579
	4	.140364	.167428	.191588	.213773	.240882	.260074	.301260	.317801	.353933
	5	.170556	.199441	.224899	.248049	.276086	.295787	.337710	.354422	.390709
	6	.200089	.230462	.256958	.280864	.309602	.329670	.372066	.388861	.425136
	7	.229107	.260707	.288040	.312534	.341792	.362114	.404773	.421577	.457702
	8	.257702	.290317	.318318	.343262	.372891	.393371	.436116	.452867	.488725
	9	.285937	.319386	.347911	.373188	.403060	.423615	.466292	.482938	.518424
	10	.313858	.347982	.376906	.402412	.432412	.452971	.495445	.511936	.546960
	11	.341498	.376154	.405366	.431008	.461035	.481531	.523679	.539973	.574450
	12	.368883	.403942	.433339	.459032	.488992	.509367	.551075	.567132	.600985
	13	.396031	.431374	.460861	.486527	.516334	.536532	.577695	.593479	.626636
	14	.422958	.458474	.487962	.513527	.543099	.563068	.603589	.619063	.651458
	15	.449676	.485258	.514663	.540057	.569319	.589009	.628793	.643925	.675492
	16	.476193	.511740	.540982	.566138	.595015	.614379	.653337	.668096	.698773
	17	.502517	.537930	.566932	.591786	.620206	.639198	.677244	.691597	.721326
	18	.528651	.563837	.592521	.617009	.644904	.663479	.700528	.714446	.743168
	19	.554600	.589463	.617756	.641817	.669117	.687232	.723200	.736655	.764314
	20	.580365	.614812	.642639	.666211	.692850	.710461	.745267	.758229	.784769
	21	.605945	.639884	.667171	.690193	.716103	.733166	.766728	.779169	.804534
	22	.631339	.664675	.691349	.713758	.738871	.755344	.787581	.799472	.823608
	23	.656545	.689183	.715167	.736902	.761149	.776987	.807816	.819128	.841581
	24	.681556	.713399	.738616	.759612	.782923	.798082	.827420	.838124	.855638
	25	.706367	.737313	.761683	.781875	.804178	.818612	.846374	.856440	.876561
	26	.730967	.760912	.784352	.803671	.824892	.838553	.864651	.874050	.892721
	27	.755347	.784179	.806601	.824975	.845034	.857873	.882218	.890919	.908085
	28	.779489	.807090	.828402	.845754	.864570	.876535	.899031	.907004	.922607
	29	.803375	.829617	.849718	.865966	.883451	.894488	.915038	.922249	.936232
	30	.826979	.851722	.870502	.885558	.901617	.911667	.930167	.936583	.948892
	31	.850246	.873354	.890693	.904459	.918988	.927987	.944330	.949918	.960496
	32	.873191	.894446	.910207	.922573	.935459	.943339	.957411	.962137	.970936
	33	.895690	.914905	.928929	.939770	.950884	.957572	.969255	.973088	.980070
	34	.917667	.934592	.946691	.955863	.965061	.970475	.979654	.982569	.987720
	35	.938573	.953294	.963237	.970565	.977686	.981742	.988322	.990311	.993666

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
38	36	.959348	.970645	.978136	.983414	.988281	.990908	.994862	.995961	.997673
	37	.978254	.985917	.990568	.993561	.996046	.997244	.998790	.999148	.999621
	38	.994145	.997231	.998651	.999334	.999736	.999868	.999974	.999987	.999997
39	1	.040428	.057332	.073938	.090251	.111376	.127030	.162322	.177079	.210347
	2	.074839	.096113	.115952	.134764	.158418	.175557	.213302	.228795	.263235
	3	.106546	.130760	.152765	.173245	.198578	.216696	.256031	.271987	.307128
	4	.136883	.163342	.186980	.208702	.235267	.254089	.294527	.310784	.346334
	5	.166340	.194597	.219523	.242210	.269709	.289050	.330254	.346699	.382447
	6	.195158	.224890	.250853	.274299	.302513	.322234	.363949	.380495	.416275
	7	.223477	.254432	.281236	.305280	.334032	.354022	.396043	.412618	.448297
	8	.251387	.283360	.310841	.335350	.364494	.384661	.426816	.443360	.478821
	9	.278950	.311765	.339786	.364644	.394057	.414322	.456460	.472921	.508065
	10	.306210	.339714	.368153	.393267	.422833	.443124	.485116	.501447	.536183
	11	.333199	.367256	.396005	.421274	.450906	.471161	.512885	.529045	.563292
	12	.359943	.394428	.423388	.448736	.478339	.498500	.539849	.555798	.589482
	13	.386461	.421259	.450340	.475691	.505181	.525195	.566067	.581770	.614820
	14	.412767	.447771	.476888	.502172	.531471	.551288	.591588	.607011	.639362
	15	.438873	.473983	.503055	.528205	.557239	.576811	.616449	.631560	.663150
	16	.464788	.499907	.528857	.553809	.582509	.601791	.640681	.655449	.686218
	17	.490520	.525554	.554309	.579001	.607298	.626246	.664304	.678701	.708597
	18	.516072	.550932	.579419	.603792	.631619	.650191	.687338	.701333	.730290
	19	.541450	.576045	.604194	.628189	.655483	.673636	.709792	.723359	.751327
	20	.566653	.600898	.628639	.652198	.678894	.696587	.731674	.744785	.771712
	21	.591695	.625491	.652754	.675819	.701854	.719047	.752988	.765615	.791447
	22	.616542	.649822	.676539	.699052	.724361	.741014	.773731	.785848	.810533
	23	.641225	.673890	.699989	.721892	.746412	.762482	.793899	.805477	.828963
	24	.665728	.697688	.723099	.744332	.767997	.783443	.813481	.824494	.846728
	25	.690047	.721210	.745857	.766361	.789105	.803883	.832462	.842882	.863812
	26	.714175	.744444	.768253	.787963	.809716	.823785	.850824	.860622	.880195
	27	.738103	.767377	.790268	.809119	.829811	.843123	.868538	.877686	.895848
	28	.761819	.789997	.811881	.829804	.849359	.861868	.885572	.894040	.910738
	29	.785308	.812266	.833064	.849986	.868325	.879981	.901883	.909641	.924819
	30	.808550	.834172	.853781	.869623	.886661	.897411	.917417	.924434	.938038
	31	.831521	.855670	.873987	.888663	.904309	.914096	.932106	.938350	.950324
	32	.854187	.876713	.893620	.907036	.921190	.929954	.945863	.951301	.961593
	33	.876503	.897235	.912599	.924650	.937201	.944875	.958573	.963173	.971735
	34	.898407	.917144	.930813	.941376	.952201	.958713	.970086	.973817	.980612
	35	.919805	.936306	.948096	.957032	.965991	.971263	.980199	.983037	.988050
	36	.940553	.954512	.964201	.971340	.978275	.982225	.988632	.990569	.993835
	37	.960397	.971406	.978706	.983847	.988588	.991146	.994997	.996067	.997734
	38	.978813	.986280	.990811	.993728	.996149	.997315	.998821	.999170	.999631
	39	.994295	.997302	.998686	.999351	.999742	.999871	.999974	.999987	.999997
40	1	.039437	.055939	.072158	.088097	.108749	.124060	.158605	.173059	.205671
	2	.073015	.093797	.113188	.131586	.154733	.171515	.208507	.223702	.257510
	3	.103958	.127628	.149152	.169197	.194010	.211768	.250358	.266026	.300565
	4	.133571	.159449	.182587	.203865	.229907	.248372	.288085	.304067	.339049
	5	.162328	.189982	.214398	.236637	.263619	.282611	.323117	.339301	.374520
	6	.190464	.219580	.245031	.268033	.295738	.315122	.356173	.372474	.407767
	7	.218117	.248451	.274745	.298353	.326612	.346279	.387674	.404023	.439258
	8	.245374	.276727	.303706	.327790	.356462	.376323	.417895	.434232	.469297
	9	.272295	.304497	.332028	.356478	.385442	.405419	.447023	.463298	.498094
	10	.298924	.331827	.359792	.384512	.413661	.433687	.475194	.491362	.525801
	11	.325292	.358765	.387060	.411962	.441202	.461215	.502510	.518529	.552533
	12	.351424	.385347	.413877	.438883	.468127	.488071	.529049	.544882	.578378
	13	.377339	.411601	.440280	.465316	.494484	.514308	.554870	.570484	.603403
	14	.403051	.437550	.466295	.491295	.520311	.539968	.580023	.595383	.627662
	15	.428572	.463211	.491946	.516844	.545639	.565081	.604543	.619619	.651198

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
40	16	.453911	.488598	.517248	.541985	.570490	.589675	.628460	.643223	.674045
	17	.479075	.513721	.542217	.566733	.594883	.613769	.651798	.666219	.696228
	18	.504069	.538588	.566861	.591099	.618832	.637378	.674574	.688625	.717767
	19	.528897	.563205	.591188	.615093	.642347	.660513	.696800	.710455	.738678
	20	.553561	.587576	.615203	.638720	.665434	.683182	.718485	.731717	.758570
	21	.578064	.611703	.638908	.661987	.688096	.705387	.739633	.752416	.778649
	22	.602404	.635585	.662304	.684880	.710335	.727129	.760246	.772554	.797715
	23	.626580	.659221	.685387	.707412	.732146	.748405	.780319	.792127	.816167
	24	.650590	.682606	.708153	.729571	.753524	.769209	.799847	.811128	.833998
	25	.674430	.705736	.730596	.751350	.774460	.789531	.818817	.829546	.851195
	26	.698095	.728603	.752705	.772737	.794940	.809357	.837215	.847365	.867743
	27	.721578	.751195	.774468	.793718	.814947	.828668	.855021	.864564	.883619
	28	.744869	.773500	.795866	.814271	.834460	.847440	.872206	.881116	.898797
	29	.767957	.795499	.816879	.834373	.853448	.865643	.888739	.896986	.913241
	30	.790827	.817171	.837478	.853991	.871876	.883238	.904577	.912132	.926908
	31	.813460	.838488	.857630	.873085	.889699	.900176	.919666	.926500	.939743
	32	.835831	.859413	.877288	.891603	.906857	.916396	.933941	.940021	.951679
	33	.857907	.879899	.896394	.909478	.923275	.931815	.947313	.952609	.962630
	34	.879646	.899880	.914867	.926617	.938851	.946329	.959674	.964154	.972491
	35	.900985	.919268	.932599	.942898	.953449	.959794	.970874	.974508	.981125
	36	.921935	.937932	.949430	.958140	.966872	.972009	.980716	.983481	.988363
	37	.942053	.955668	.965115	.972075	.978834	.982683	.988925	.990813	.993995
	38	.961393	.972130	.979246	.984258	.988879	.991372	.995125	.996168	.997792
	39	.979344	.986625	.991043	.993886	.996246	.997383	.998851	.999191	.999640
	40	.994437	.997369	.998718	.999367	.999749	.999875	.999975	.999987	.999997
41	1	.038494	.054613	.070461	.086044	.106243	.121226	.155053	.169218	.201198
	2	.071277	.091590	.110553	.128554	.151216	.167655	.203921	.218830	.252028
	3	.101494	.124642	.145705	.165333	.189646	.207058	.244930	.260320	.294275
	4	.130415	.155738	.178395	.199246	.224784	.242905	.281916	.297631	.332060
	5	.158504	.185580	.209505	.231315	.257795	.276450	.316278	.332208	.366908
	6	.185990	.214515	.239471	.262045	.289258	.308314	.348717	.364779	.399592
	7	.213007	.242744	.268544	.291730	.319512	.338864	.379646	.395772	.430567
	8	.239640	.270396	.296888	.320561	.348772	.368333	.409331	.425464	.460131
	9	.265949	.297559	.324613	.348665	.377190	.396884	.437957	.454046	.488490
	10	.291975	.324296	.351799	.376137	.404872	.424634	.465656	.481659	.515793
	11	.317750	.350654	.378506	.403046	.431898	.451669	.492530	.508406	.542153
	12	.343297	.376670	.404778	.429445	.458331	.478057	.518653	.534365	.567656
	13	.368635	.402371	.430652	.455374	.484217	.503848	.544085	.559601	.592368
	14	.393779	.427779	.456153	.480866	.509594	.529083	.568873	.584161	.616343
	15	.418739	.452910	.481305	.505947	.534492	.553795	.593055	.608084	.639623
	16	.443526	.477780	.506124	.530637	.558934	.578010	.616659	.631401	.662241
	17	.468145	.502397	.530625	.554952	.582938	.601747	.639708	.654136	.684225
	18	.492603	.526772	.554816	.578904	.606519	.625022	.662222	.676309	.705593
	19	.516904	.550909	.578707	.602502	.629688	.647846	.684212	.697933	.726363
	20	.541049	.574813	.602302	.625752	.652451	.670228	.705690	.719019	.746544
	21	.565042	.598486	.625604	.648658	.674813	.692172	.726659	.739572	.766145
	22	.588882	.621930	.648615	.671221	.696776	.713680	.747124	.759595	.785167
	23	.612569	.645142	.671334	.693441	.718338	.734751	.767081	.779087	.803611
	24	.636101	.668122	.693758	.715313	.739496	.755380	.786528	.798043	.821471
	25	.659475	.690865	.715880	.736832	.760243	.775561	.805456	.816456	.838741
	26	.682688	.713364	.737695	.757989	.780568	.795283	.823853	.834313	.855406
	27	.705734	.735611	.759191	.778772	.800458	.814531	.841704	.851597	.871450
	28	.728605	.757597	.780355	.799166	.819896	.833286	.858986	.868288	.886852
	29	.751293	.779307	.801171	.819151	.838859	.851525	.875674	.884357	.901582
	30	.773785	.800723	.821617	.838701	.857319	.869216	.891735	.899772	.915607

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
41	31	.796068	.821825	.841665	.857787	.875240	.886323	.907126	.914489	.928883
	32	.818123	.842585	.861281	.876368	.892577	.902796	.921796	.928455	.941357
	33	.839925	.862967	.880421	.894392	.909273	.918575	.935678	.941603	.952961
	34	.861443	.882923	.899027	.911794	.925253	.933580	.948688	.953849	.963613
	35	.882633	.902397	.917021	.928485	.940417	.947709	.960717	.965083	.973207
	36	.903436	.921286	.934296	.944343	.954633	.960820	.971622	.975164	.981612
	37	.923765	.939477	.950696	.959193	.967709	.972718	.981207	.983901	.988660
	38	.943480	.956767	.965984	.972773	.979364	.983118	.989205	.991044	.994146
	39	.962340	.972817	.979760	.984649	.989156	.991587	.995247	.996264	.997847
	40	.979849	.986954	.991263	.994037	.996338	.997448	.998879	.999211	.999649
	41	.994572	.997434	.998750	.999383	.999755	.999878	.999976	.999988	.999998
42	1	.037595	.053348	.068843	.084084	.103850	.118518	.151657	.165543	.196914
	2	.069620	.089484	.108038	.125659	.147854	.163965	.199531	.214164	.246772
	3	.099144	.121793	.142414	.161642	.185474	.202552	.239730	.254851	.288239
	4	.127405	.152195	.174392	.194831	.219884	.237673	.276004	.291459	.325349
	5	.154855	.181377	.204831	.226225	.252222	.270549	.309719	.325402	.359595
	6	.181721	.209677	.234157	.256317	.283054	.301791	.341563	.357391	.391730
	7	.208130	.237292	.262616	.285394	.312710	.331755	.371937	.387844	.422203
	8	.234168	.264347	.290368	.313641	.341403	.360670	.401103	.417033	.451304
	9	.259891	.290928	.317520	.341184	.369278	.388695	.429242	.445146	.479235
	10	.285341	.317097	.344150	.368116	.396441	.415943	.456483	.472319	.506142
	11	.310548	.342900	.370318	.394502	.422971	.442501	.482924	.498653	.532135
	12	.335535	.368372	.396066	.420397	.448927	.468433	.508641	.524227	.557300
	13	.360322	.393541	.421429	.445839	.474356	.493789	.533691	.549102	.581700
	14	.384921	.418429	.446435	.470861	.499295	.518611	.558120	.573326	.605390
	15	.409344	.443051	.471105	.495487	.523774	.542931	.581966	.596938	.628411
	16	.433600	.467422	.495457	.519739	.547816	.566773	.605258	.619967	.650797
	17	.457698	.491553	.519503	.543632	.571439	.590157	.628019	.642440	.672573
	18	.481641	.515451	.543255	.567179	.594658	.613101	.650268	.664374	.693761
	19	.505434	.539124	.566721	.590389	.617484	.635615	.672018	.685786	.714377
	20	.529080	.562575	.589906	.613268	.639925	.657708	.693279	.706684	.734434
	21	.552582	.585808	.612814	.635822	.661986	.679387	.714059	.727078	.753538
	22	.575940	.608825	.635448	.658052	.683670	.700654	.734362	.746969	.772895
	23	.599153	.631624	.657806	.679959	.704977	.721510	.754186	.766360	.791305
	24	.622223	.654206	.679888	.701541	.725905	.741951	.773531	.785248	.809167
	25	.645145	.676566	.701689	.722793	.746449	.761974	.792391	.803627	.826473
	26	.667917	.698700	.723205	.743709	.766601	.781569	.810756	.821487	.843216
	27	.690535	.720603	.744426	.764279	.786351	.800726	.828614	.838817	.859382
	28	.712993	.742265	.765343	.784492	.805685	.819429	.845949	.855598	.874554
	29	.735285	.763676	.785942	.804332	.824586	.837660	.862739	.871810	.889908
	30	.757400	.784822	.806206	.823779	.843030	.855395	.878958	.887426	.904217
	31	.779327	.805686	.826114	.842809	.860990	.872603	.894573	.902410	.917847
	32	.801053	.826248	.845640	.861390	.878431	.889248	.909542	.916722	.930754
	33	.822558	.846479	.864748	.879484	.895309	.905281	.923815	.930308	.942886
	34	.843820	.866345	.883397	.897040	.911566	.920643	.937326	.943104	.954177
	35	.864806	.885799	.901529	.913994	.927130	.935256	.949993	.955025	.964545
	36	.885475	.904782	.919068	.930259	.941905	.949020	.961708	.965966	.973887
	37	.905769	.923206	.935909	.945716	.955758	.961795	.972332	.975786	.982074
	38	.925601	.940947	.951901	.960194	.968505	.973392	.981673	.984301	.988943
	39	.944837	.957813	.966811	.973436	.979869	.983532	.989470	.991265	.994291
	40	.963242	.973472	.980249	.985020	.989419	.991792	.995363	.996355	.997900
	41	.980329	.987266	.991473	.994180	.996426	.997509	.998906	.999230	.999658
	42	.994701	.997495	.998779	.999397	.999761	.999881	.999976	.999988	.999998
43	1	.036737	.052140	.067297	.082211	.101561	.115928	.148406	.162023	.192808
	2	.068039	.087473	.105634	.122890	.144639	.160433	.195326	.209693	.241729
	3	.096900	.119071	.139269	.158111	.181481	.198238	.234745	.249605	.282444
	4	.124530	.148810	.170563	.190607	.215192	.232660	.270332	.285535	.318901
	5	.151371	.177360	.200359	.221353	.246883	.264894	.303424	.318865	.352562

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
43	6	.177643	.205053	.229077	.250832	.277108	.295537	.334692	.350291	.384166
	7	.203472	.232079	.256943	.279325	.306190	.324936	.364530	.380221	.414150
	8	.228940	.258561	.284126	.307011	.334335	.353316	.393193	.408923	.442799
	9	.254103	.284584	.310728	.334014	.361687	.380831	.420859	.436579	.470311
	10	.279001	.310208	.336824	.360475	.388349	.407594	.447653	.463323	.496830
	11	.303664	.335478	.362472	.386308	.414398	.433689	.473674	.489254	.522462
	12	.328115	.360429	.387715	.411716	.439892	.459178	.498993	.514450	.547292
	13	.352372	.385087	.412587	.436687	.464878	.484112	.523668	.538970	.571384
	14	.376449	.409474	.437115	.461253	.489391	.508531	.547744	.562862	.594789
	15	.400357	.433606	.461320	.485440	.513462	.532466	.571259	.586164	.617550
	16	.424106	.457497	.485219	.509266	.537113	.555942	.594241	.608907	.639699
	17	.447701	.481157	.508826	.532749	.560362	.578980	.616714	.631115	.661263
	18	.471149	.504596	.532152	.555900	.583226	.601596	.638696	.652808	.682263
	19	.494455	.527819	.555204	.578730	.605714	.623802	.660202	.674001	.702716
	20	.517621	.550833	.577989	.601246	.627835	.645607	.681243	.694705	.722635
	21	.540649	.573639	.600512	.623453	.649596	.667019	.701825	.714928	.742029
	22	.563542	.596239	.622775	.645353	.670999	.688040	.721954	.734676	.760902
	23	.586299	.618636	.644778	.666949	.692047	.708672	.741632	.753949	.779258
	24	.608919	.640828	.666521	.688238	.712738	.728915	.760858	.772749	.797095
	25	.631403	.662812	.688002	.709219	.733069	.748765	.779628	.791070	.814411
	26	.653747	.684586	.709216	.729886	.753035	.768216	.797936	.808906	.831199
	27	.675948	.706145	.730157	.750232	.772627	.787260	.815771	.826247	.847448
	28	.698001	.727483	.750817	.770248	.791834	.805883	.833121	.843080	.863144
	29	.719902	.748590	.771186	.789922	.810643	.824073	.849970	.859388	.878269
	30	.741642	.769455	.791249	.809237	.829035	.841809	.866295	.875148	.892802
	31	.763213	.790067	.810991	.828175	.846989	.859067	.882071	.890334	.906714
	32	.784604	.810407	.830390	.846711	.864476	.875819	.897265	.904912	.919570
	33	.805799	.830455	.849420	.864814	.881463	.892025	.911816	.918841	.932529
	34	.826782	.850184	.868047	.882446	.897904	.907642	.925732	.932068	.944337
	35	.847529	.869560	.886228	.899559	.913746	.922608	.938892	.944529	.955331
	36	.868009	.888537	.903910	.916088	.928916	.936849	.951232	.956143	.965430
	37	.888193	.907056	.921016	.931948	.943320	.950266	.962650	.966805	.974533
	38	.907991	.925034	.937444	.947023	.956829	.962723	.973007	.976378	.982514
	39	.927351	.942347	.953048	.961148	.969262	.974034	.982116	.984682	.989211
	40	.946132	.958809	.967598	.974069	.980350	.983926	.989723	.991474	.994428
	41	.964102	.974095	.980715	.985375	.989670	.991986	.995473	.996441	.997950
	42	.980788	.987564	.991673	.994317	.996510	.997568	.998932	.999248	.999666
	43	.994824	.997553	.998808	.999411	.999766	.999883	.999977	.999988	.999998
44	1	.035917	.050586	.065819	.080420	.099372	.113449	.145291	.158650	.188869
	2	.066527	.085550	.103335	.120242	.141560	.157049	.191294	.205403	.236887
	3	.094755	.116467	.136259	.154732	.177656	.194102	.229962	.244570	.276874
	4	.121792	.145571	.166899	.186562	.210695	.227852	.264887	.279846	.312700
	5	.148040	.173517	.196078	.216687	.241765	.259469	.297377	.312583	.345795
	6	.173744	.200627	.224203	.245577	.271406	.289534	.328089	.343464	.376882
	7	.199017	.227089	.251508	.273507	.299934	.318388	.357408	.372887	.406391
	8	.223939	.253022	.278145	.300653	.327551	.346251	.385583	.401115	.434600
	9	.248566	.278510	.304218	.327137	.354398	.373274	.412789	.428326	.461702
	10	.272935	.303611	.329800	.353045	.380576	.399568	.439150	.454652	.487840
	11	.297077	.328369	.354949	.378443	.406159	.425213	.464760	.480190	.513118
	12	.321015	.352818	.379706	.403380	.431206	.450272	.489690	.505015	.537617
	13	.344764	.376985	.404104	.427896	.455761	.474796	.513998	.529186	.561403
	14	.368341	.400890	.428170	.452022	.479861	.498821	.537728	.552751	.584525
	15	.391754	.424550	.451926	.475781	.503535	.522380	.560917	.575747	.607025
	16	.415014	.447978	.475387	.499195	.526804	.545499	.583592	.598205	.628935
	17	.438128	.471185	.498568	.522279	.549688	.568196	.605778	.620149	.650283
	18	.461100	.494180	.521480	.545045	.572202	.590489	.627494	.641598	.671090
	19	.483936	.516969	.544130	.567504	.594358	.612389	.649753	.662568	.691373
	20	.506640	.539557	.566526	.589663	.616163	.633907	.669568	.683071	.711144

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
44	21	.529212	.561949	.588672	.611528	.637625	.655050	.689947	.703116	.730414
	22	.551656	.584146	.610572	.633102	.658748	.675823	.709895	.722709	.749189
	23	.573571	.606150	.632226	.654388	.679535	.696227	.729415	.741852	.767473
	24	.596159	.627961	.653635	.675386	.699984	.716264	.748508	.760547	.785266
	25	.618217	.649577	.674797	.696093	.720095	.735931	.767171	.778791	.802567
	26	.640144	.670996	.695710	.716506	.739864	.755224	.785400	.796579	.819371
	27	.661939	.692215	.716368	.736621	.759283	.774136	.803188	.813905	.835670
	28	.683597	.713229	.736766	.756428	.778346	.792658	.820524	.830757	.851454
	29	.705114	.734030	.756894	.775920	.797040	.810779	.837396	.847122	.866707
	30	.726484	.754610	.776743	.795083	.815352	.828482	.853785	.862982	.881413
	31	.747700	.774958	.796299	.813901	.833263	.845749	.869671	.878316	.895547
	32	.768754	.795062	.815545	.832356	.850752	.862557	.885028	.893096	.909083
	33	.789633	.814904	.834460	.850423	.867791	.878875	.899822	.907289	.921986
	34	.810324	.834463	.853018	.868073	.884346	.894667	.914015	.920854	.934214
	35	.830809	.853715	.871187	.885266	.900374	.909887	.927555	.933741	.945716
	36	.851066	.872624	.888925	.901957	.915821	.924478	.940381	.945885	.956428
	37	.871065	.891147	.906178	.918081	.930616	.938366	.952412	.957207	.966272
	38	.890765	.909225	.922872	.933557	.944668	.951452	.963547	.967604	.975148
	39	.910111	.926776	.938908	.948269	.957849	.963606	.973650	.976942	.982932
	40	.929021	.943683	.954141	.962056	.969984	.974645	.982539	.985044	.989467
	41	.947366	.959759	.968349	.974672	.980808	.984302	.989963	.991674	.994559
	42	.964922	.974690	.981160	.985712	.989909	.992172	.995578	.996524	.997998
	43	.981225	.987848	.991863	.994447	.996591	.997623	.998957	.999265	.999673
	44	.994941	.997608	.998835	.999425	.999772	.999886	.999977	.999989	.999998
45	1	.035133	.049881	.064404	.078705	.092725	.111073	.142304	.155414	.185087
	2	.065082	.083710	.101134	.117704	.138609	.153805	.187424	.201285	.232234
	3	.092703	.113975	.133376	.151493	.173988	.190136	.225369	.239732	.271519
	4	.119153	.142471	.163388	.182684	.206381	.223239	.259656	.274376	.306733
	5	.144853	.169836	.191976	.212212	.236853	.254260	.291565	.306541	.339279
	6	.170012	.196388	.219536	.240536	.265931	.283768	.321738	.336894	.369865
	7	.194753	.222308	.246298	.267925	.293926	.312096	.350554	.365826	.398911
	8	.219152	.247715	.272410	.294552	.321034	.339460	.378257	.393594	.426690
	9	.243264	.272689	.297974	.320534	.347394	.366007	.405017	.420372	.453393
	10	.267127	.297287	.323061	.345958	.373103	.391846	.430956	.446290	.479157
	11	.290769	.321553	.347729	.370888	.398236	.417055	.456165	.471444	.504087
	12	.314213	.345520	.372016	.395371	.422850	.441698	.480717	.495906	.528261
	13	.337476	.369214	.395958	.419447	.446988	.465821	.504665	.519735	.551744
	14	.360572	.392655	.419579	.443145	.470686	.489463	.528055	.542978	.574585
	15	.383510	.415860	.442900	.466491	.493972	.512656	.550922	.565672	.596824
	16	.406301	.438842	.465938	.489504	.516870	.535424	.573295	.587846	.618495
	17	.428951	.461611	.488706	.512199	.539397	.557787	.595196	.609526	.639625
	18	.451466	.484177	.511216	.534590	.561569	.579761	.616646	.630730	.660233
	19	.473851	.506546	.533476	.556686	.583397	.601359	.637658	.651475	.680339
	20	.496108	.528723	.555493	.578497	.604890	.622593	.658245	.671774	.699955
	21	.518241	.550713	.577272	.600027	.626057	.643468	.678416	.691634	.719091
	22	.540252	.572518	.598816	.621280	.646900	.663990	.698176	.711063	.737756
	23	.562141	.594140	.620128	.642260	.667424	.684163	.717529	.730065	.755953
	24	.583909	.615579	.641207	.662966	.687629	.703988	.736477	.748642	.773685
	25	.605555	.636835	.662055	.683399	.707515	.723463	.755020	.766793	.790950
	26	.627079	.657906	.682667	.703556	.727079	.742587	.773154	.784514	.807747
	27	.648478	.678789	.703042	.723433	.746316	.761354	.790873	.801801	.824069
	28	.669750	.699481	.723174	.743024	.765220	.779757	.808171	.818645	.839908
	29	.690891	.719976	.743056	.762322	.783782	.797787	.825036	.835036	.855253
	30	.711898	.740267	.762680	.781316	.801990	.815431	.841455	.850958	.870088
	31	.732763	.760347	.782035	.799994	.819831	.832674	.857410	.866396	.884396
	32	.753480	.780203	.801108	.818341	.837286	.849497	.872880	.881325	.898154
	33	.774040	.799823	.819883	.836337	.854334	.865877	.887839	.895721	.911334
	34	.794432	.819191	.838338	.853959	.870947	.881783	.902255	.909549	.923902
	35	.814642	.838286	.856448	.871177	.887092	.897182	.916089	.922770	.935817

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
45	36	.634653	.857082	.874181	.887954	.902727	.912026	.929290	.935333	.947028
	37	.854443	.875546	.891497	.904243	.917798	.926260	.941799	.947176	.957473
	38	.873982	.893636	.908341	.919982	.932237	.939811	.953536	.958220	.967074
	39	.893231	.911794	.924643	.935091	.945953	.952584	.964402	.968365	.975734
	40	.912136	.928440	.940305	.949458	.958822	.964449	.974263	.977479	.983331
	41	.930616	.944958	.955185	.962923	.970672	.975228	.982942	.985390	.989711
	42	.948546	.960667	.969066	.975247	.981246	.984660	.990193	.991865	.994684
	43	.965706	.975259	.981584	.986035	.990137	.992349	.995678	.996603	.998043
	44	.981643	.988119	.992046	.994572	.996667	.997677	.998980	.999282	.999681
	45	.995054	.997661	.998861	.999438	.999777	.999889	.999978	.999989	.999998
46	1	.034383	.048824	.063049	.077062	.095264	.108795	.139437	.152307	.181453
	2	.063698	.081947	.099024	.115272	.135778	.150692	.183707	.197328	.227759
	3	.090738	.111588	.130612	.148387	.170469	.186327	.220955	.235081	.266364
	4	.116634	.139499	.160022	.178964	.202240	.218808	.254626	.269115	.300987
	5	.141799	.166308	.188042	.207917	.232136	.249254	.285973	.300726	.333000
	6	.166437	.192324	.215059	.235697	.260672	.278225	.315626	.330567	.363099
	7	.190667	.217724	.241298	.262565	.288152	.306046	.343955	.359023	.391695
	8	.214565	.242625	.266905	.288691	.314769	.332927	.371200	.386344	.419056
	9	.238183	.267104	.291979	.314191	.340657	.359014	.397526	.412702	.445368
	10	.261560	.291219	.316590	.339148	.365914	.384412	.423054	.438223	.470767
47	11	.284723	.315012	.340794	.363624	.390611	.409199	.447874	.463000	.495355
	12	.307693	.338515	.364629	.387669	.414805	.433436	.472055	.487108	.519210
	13	.330489	.361754	.388130	.411319	.438538	.457170	.495652	.510602	.542393
	14	.353122	.384748	.411320	.434604	.461846	.480440	.518709	.533528	.564955
	15	.375604	.407514	.434221	.457549	.484756	.503274	.541260	.555923	.586936
	16	.397944	.430066	.456849	.480172	.507291	.525699	.563333	.577817	.608367
	17	.420148	.452413	.479218	.502490	.529469	.547734	.584954	.599234	.629276
	18	.442223	.474564	.501339	.524515	.551306	.569395	.606139	.620194	.649683
	19	.464172	.496527	.523220	.546259	.572813	.590696	.626904	.640712	.669607
	20	.486000	.518306	.544868	.567728	.593999	.611647	.647261	.660802	.689061
48	21	.507709	.539906	.566289	.588929	.614873	.632255	.667220	.680473	.708056
	22	.529302	.561330	.587486	.609866	.635439	.652527	.686787	.699732	.726600
	23	.550779	.582580	.608461	.630544	.655701	.672466	.705967	.718585	.744698
	24	.572141	.603657	.629218	.650962	.675661	.692075	.724762	.737033	.762353
	25	.593388	.624561	.649754	.671121	.695318	.711353	.743173	.755077	.779566
	26	.614520	.645290	.670069	.691021	.714671	.730300	.761198	.772716	.796336
	27	.635535	.665843	.690161	.710657	.733718	.748911	.778832	.789945	.812658
	28	.656431	.686218	.710025	.730025	.752452	.767181	.796071	.806759	.828525
	29	.677206	.706409	.729657	.749121	.770868	.785102	.812905	.823148	.843930
	30	.697855	.726411	.749050	.767934	.788955	.802665	.829324	.839102	.858860
49	31	.718375	.746218	.768195	.786456	.806703	.819858	.845314	.854606	.873301
	32	.738759	.765820	.787081	.804675	.824096	.836665	.860857	.869642	.887233
	33	.759000	.785208	.805695	.822573	.841118	.853066	.875933	.884189	.900634
	34	.779089	.804368	.824021	.840133	.857747	.869039	.890515	.898220	.913476
	35	.799016	.823283	.842038	.857331	.873955	.884555	.904572	.911701	.925727
	36	.818768	.841935	.859721	.874139	.889710	.899579	.918064	.924595	.937344
	37	.838326	.860297	.877039	.890518	.904971	.914065	.930944	.936850	.948279
	38	.857669	.878338	.893952	.906424	.919684	.927960	.943151	.948406	.958469
	39	.876769	.896015	.910407	.921797	.933783	.941190	.954608	.959186	.967839
	40	.895587	.913271	.926335	.936556	.947179	.953663	.965217	.969091	.976293
50	41	.914071	.930030	.941639	.950593	.959752	.965253	.974848	.977992	.983712
	42	.932140	.946176	.956182	.963752	.971330	.975785	.983327	.985720	.989944
	43	.949674	.961534	.969751	.975797	.981663	.985002	.990413	.992047	.994803
	44	.966456	.975802	.981990	.986343	.990355	.992519	.995774	.996678	.998086
	45	.982043	.988379	.992220	.994691	.996740	.997728	.999003	.999298	.999688

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
46	46	.595161	.997712	.998886	.999450	.999782	.999891	.999978	.999989	.999998
47	1	.033664	.047810	.061750	.075486	.093335	.106608	.136683	.149322	.177958
	2	.062371	.080257	.097001	.112938	.133061	.147703	.180134	.193527	.223452
	3	.088855	.109298	.127961	.145405	.167088	.182668	.216710	.230606	.261401
	4	.114220	.136649	.156792	.175392	.198261	.214548	.249785	.264050	.295450
	5	.138872	.162924	.184265	.203793	.227602	.244441	.280589	.295125	.326946
	6	.163009	.188424	.210760	.231048	.255616	.272893	.309739	.324470	.356572
	7	.186749	.213325	.236497	.257414	.282599	.300223	.337596	.352464	.384730
	8	.210165	.237739	.261617	.283058	.308741	.326638	.364396	.379351	.411683
	9	.233310	.261744	.286219	.308091	.334175	.352279	.390302	.405300	.437615
	10	.256220	.285394	.310372	.332597	.358993	.377250	.415431	.430434	.462656
	11	.278922	.308731	.334127	.356637	.383269	.401628	.439871	.454845	.486909
	12	.301437	.331787	.357527	.380257	.407055	.425471	.463691	.478606	.510449
	13	.323783	.354587	.380601	.403495	.430395	.448827	.486944	.501771	.533337
	14	.345972	.377150	.403376	.426380	.453323	.471733	.509674	.524386	.555624
	15	.368015	.399493	.425871	.448936	.475867	.494218	.531914	.546487	.577347
	16	.389921	.421629	.448103	.471181	.498049	.516308	.553694	.568103	.598539
	17	.411696	.443568	.470084	.493132	.519887	.538022	.575036	.589260	.619226
	18	.433347	.465319	.491827	.514802	.541396	.559376	.595959	.609975	.639430
	19	.454877	.486889	.513340	.536201	.562588	.580383	.616477	.630267	.659169
	20	.476291	.508283	.534629	.557336	.583473	.601055	.636605	.650146	.678456
	21	.497591	.529505	.555701	.578215	.604058	.621398	.656350	.669624	.697302
	22	.518780	.550559	.576559	.598843	.624349	.641420	.675721	.688708	.715717
	23	.539859	.571448	.597206	.619227	.644350	.661125	.694722	.707404	.733706
	24	.560829	.592172	.617645	.639355	.664064	.680516	.713357	.725715	.751272
	25	.581690	.612732	.637875	.659243	.683491	.699593	.731626	.743642	.768419
	26	.602442	.633127	.657896	.678885	.702630	.718355	.749530	.761184	.785144
	27	.623084	.653356	.677707	.698278	.721481	.736801	.767066	.778340	.801446
	28	.643614	.673418	.697305	.717421	.740037	.754927	.784229	.795105	.817320
	29	.664031	.693307	.716685	.736308	.758295	.772726	.801013	.811471	.832759
	30	.684331	.713022	.735842	.754932	.776247	.790191	.817409	.827430	.847753
	31	.704511	.732555	.754769	.773286	.793884	.807312	.833405	.842970	.862291
	32	.724566	.751900	.773458	.791359	.811194	.824076	.848989	.858077	.876356
	33	.744491	.771048	.791897	.809139	.828163	.840468	.864141	.872733	.889932
	34	.764277	.789989	.810074	.826611	.844773	.856469	.878842	.886917	.902994
	35	.783917	.808710	.827972	.843756	.861003	.872055	.893066	.900601	.915516
	36	.803400	.827194	.845572	.860551	.876826	.887199	.906781	.913753	.927465
	37	.822713	.845423	.862848	.876967	.892709	.901866	.919949	.926335	.938799
	38	.841839	.863371	.879770	.892968	.907113	.916012	.932522	.938297	.949471
	39	.860756	.881007	.896298	.908508	.921485	.929582	.944441	.949580	.959419
	40	.879436	.898289	.912382	.923531	.935261	.942507	.955631	.960108	.968569
	41	.897842	.915162	.927952	.937956	.948351	.954695	.965996	.969784	.976827
	42	.915922	.931550	.942915	.951678	.960640	.966022	.975407	.978482	.984076
	43	.933599	.947342	.957136	.964544	.971959	.976317	.983695	.986035	.990166
	44	.950753	.962364	.970406	.976323	.982063	.985330	.990622	.992222	.994917
	45	.967173	.976327	.982378	.986638	.990564	.992681	.995866	.996750	.998128
	46	.982426	.988628	.992386	.994804	.996810	.997777	.999024	.999313	.999694
	47	.995264	.997761	.998909	.999461	.999786	.999893	.999979	.999989	.999998
48	1	.032974	.046838	.060503	.073973	.091482	.104508	.134036	.146451	.174596
	2	.061099	.078635	.095059	.110696	.130450	.144829	.176697	.189861	.219304
	3	.087048	.107100	.125414	.142541	.163839	.179149	.212624	.226298	.256617
	4	.111904	.133913	.153689	.171960	.194436	.210451	.245124	.259170	.290111
	5	.136063	.159674	.180637	.199828	.223241	.239810	.275403	.289726	.321106
	6	.159719	.184679	.206629	.226578	.250751	.267760	.304065	.318592	.350272
	7	.182588	.209100	.231882	.252461	.277254	.294616	.331465	.346138	.378004
	8	.205942	.233046	.256534	.277638	.302938	.320580	.357834	.372603	.404560
	9	.228632	.256593	.280681	.302222	.327931	.345789	.383331	.398154	.430119
	10	.251092	.279795	.304391	.326293	.352326	.370346	.408071	.422910	.454811

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
48	11	.273351	.302693	.327715	.349910	.376193	.394326	.432141	.446964	.478735
	12	.295430	.325319	.350693	.373120	.399585	.417788	.455609	.470385	.501966
	13	.317343	.347696	.373356	.395959	.422544	.440776	.478527	.493228	.524564
	14	.339105	.369844	.395729	.418456	.445103	.463328	.500936	.515538	.546578
	15	.360725	.391779	.417831	.440635	.467291	.485473	.522872	.537349	.568045
	16	.382213	.413514	.439679	.462514	.489128	.507235	.544362	.558692	.588999
	17	.403575	.435059	.461285	.484108	.510634	.528634	.565430	.579590	.609465
	18	.424817	.456422	.482662	.505432	.531822	.549687	.586093	.600064	.629465
	19	.445943	.477612	.503816	.526494	.552706	.570406	.606367	.620128	.649015
	20	.466957	.498632	.524757	.547304	.573294	.590802	.626264	.639796	.668131
	21	.487863	.519488	.545489	.567868	.593595	.610883	.645795	.659079	.686824
	22	.508662	.540184	.566017	.588192	.613615	.630657	.664967	.677984	.705103
	23	.529356	.560721	.586343	.608278	.633357	.650127	.683785	.696517	.722574
	24	.549947	.581101	.606470	.628130	.652826	.669298	.702254	.714683	.740442
	25	.570434	.601326	.626400	.647748	.672022	.688170	.720376	.732484	.757509
	26	.590817	.621394	.646131	.667134	.690945	.706745	.738150	.749920	.774176
	27	.611097	.641306	.665664	.686285	.709595	.725020	.755575	.766989	.790441
	28	.631272	.661060	.684996	.705199	.727968	.742992	.772649	.783689	.806302
	29	.651340	.680653	.704123	.723873	.746060	.760658	.789365	.800013	.821753
	30	.671299	.700082	.723042	.742301	.763866	.778011	.805718	.815956	.836786
	31	.691147	.719342	.741747	.760478	.781378	.795043	.821698	.831507	.851391
	32	.710879	.738427	.760231	.778394	.798587	.811743	.837294	.846655	.865557
	33	.730490	.757337	.778485	.796040	.815480	.828100	.852491	.861386	.879267
	34	.749975	.776046	.796499	.813404	.832045	.844097	.867273	.875680	.892504
	35	.769328	.794561	.814259	.830469	.848263	.859717	.881618	.889518	.905245
	36	.788538	.812862	.831749	.847218	.864112	.874935	.895500	.902872	.917462
	37	.807597	.830935	.848951	.863628	.879568	.889725	.908890	.915711	.929123
	38	.826490	.848760	.865838	.879670	.894597	.904051	.921749	.927996	.940189
	39	.845202	.866312	.882382	.895309	.909161	.917872	.934029	.939680	.950609
	40	.863711	.883561	.898543	.910502	.923208	.931133	.945674	.950702	.960326
	41	.881990	.900466	.914271	.925189	.936673	.943767	.956610	.960990	.969266
	42	.900002	.916972	.929499	.939296	.949473	.955682	.966741	.970447	.977337
	43	.917696	.933006	.944136	.952716	.961489	.966758	.975942	.978951	.984424
	44	.934997	.948458	.958049	.965302	.972561	.976826	.984047	.986337	.990379
	45	.951787	.963159	.971034	.976827	.982446	.985643	.990823	.992388	.995026
	46	.967860	.976820	.982750	.986921	.990764	.992836	.995954	.996819	.998168
	47	.982793	.988866	.992546	.994914	.996877	.997823	.999045	.999327	.999701
	48	.995362	.997807	.998932	.999473	.999791	.999896	.999979	.999990	.999998
49	1	.032312	.045905	.059306	.072519	.089702	.102488	.131489	.143688	.171357
	2	.059877	.077078	.093192	.108542	.127940	.142065	.173389	.186334	.215307
	3	.085313	.104989	.122968	.139787	.160713	.175763	.208689	.222146	.252004
	4	.109680	.131284	.150706	.168659	.190754	.206506	.240633	.254467	.284959
	5	.133365	.156551	.177148	.196014	.219043	.235349	.270404	.284520	.315468
	6	.156560	.181080	.202656	.222277	.246066	.262816	.298593	.312921	.344187
	7	.179376	.205038	.227443	.247693	.272107	.289214	.325551	.340031	.371505
	8	.201885	.228534	.251643	.272422	.297348	.314740	.351501	.366086	.397673
	9	.224137	.251640	.275352	.296571	.321915	.339531	.376600	.391250	.422869
	10	.246166	.274411	.298634	.320221	.345900	.363687	.400963	.415639	.447219
	11	.267999	.296887	.321542	.343430	.369370	.387282	.424673	.439345	.470821
	12	.289656	.319097	.344114	.366243	.392379	.410372	.447797	.462434	.493749
	13	.311153	.341066	.366379	.388696	.414968	.433002	.470386	.484962	.516061
	14	.332503	.362813	.388363	.410817	.437169	.455209	.492483	.506971	.537806
	15	.353717	.384354	.410085	.432630	.459010	.477022	.514120	.528498	.559021
	16	.374802	.405702	.431561	.454152	.480512	.498465	.535325	.549571	.579738
	17	.395766	.426865	.452804	.475401	.501694	.519556	.556122	.570214	.599583
	18	.416413	.447854	.473825	.496387	.522569	.540313	.576528	.590447	.619777
	19	.437350	.468675	.494632	.517122	.543151	.560749	.596559	.610284	.639138
	20	.457579	.489334	.515233	.537615	.563448	.580873	.616228	.629741	.658080

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
49	21	.478504	.509835	.535634	.557871	.583470	.600695	.635544	.648826	.676615
	22	.498926	.530183	.555840	.577896	.603221	.620223	.654515	.667550	.694752
	23	.519248	.550378	.575853	.597695	.622708	.639460	.673148	.685917	.712499
	24	.539471	.570424	.595676	.617269	.641933	.658410	.691447	.703933	.729859
	25	.559596	.590322	.615310	.636622	.660898	.677076	.709415	.721600	.746837
	26	.579623	.610072	.634756	.655753	.679604	.695459	.727052	.738920	.763433
	27	.599551	.629673	.654014	.674661	.698050	.713558	.744357	.755892	.779648
	28	.619380	.649125	.673082	.693346	.716235	.731371	.761330	.772514	.795479
	29	.639109	.668425	.691958	.711805	.734155	.748894	.777966	.788781	.810923
	30	.658736	.687572	.710638	.730033	.751807	.766124	.794260	.804689	.825973
	31	.678258	.706561	.729118	.748026	.769183	.783053	.810204	.820230	.840621
	32	.697673	.725387	.747392	.765776	.786276	.799673	.825789	.835394	.854858
	33	.716576	.744046	.765454	.783276	.803078	.815973	.841004	.850170	.868670
	34	.736163	.762530	.783293	.800515	.819575	.831942	.855834	.864542	.882043
	35	.755229	.780830	.800901	.817481	.835754	.847564	.870262	.878493	.894958
	36	.774166	.798937	.818263	.834158	.851598	.862820	.884268	.892002	.907393
	37	.792565	.816838	.835364	.850529	.867085	.877688	.897826	.905042	.919320
	38	.811618	.834517	.852184	.866571	.882190	.892139	.910905	.917582	.930707
	39	.830110	.851956	.868700	.882257	.896881	.906141	.923469	.929584	.941516
	40	.848425	.869129	.884882	.897551	.911120	.919652	.935471	.941001	.951698
	41	.866543	.886008	.900692	.912410	.924856	.932618	.946854	.951775	.961194
	42	.884438	.902551	.916080	.926777	.938026	.944972	.957546	.961833	.969934
	43	.902072	.918707	.930982	.940578	.950546	.956626	.967453	.971082	.977826
	44	.919396	.934401	.945307	.953711	.962303	.967462	.976454	.979399	.984756
	45	.936337	.949528	.958924	.966028	.973137	.977314	.984384	.986626	.990583
	46	.952778	.963921	.971635	.977309	.982812	.985944	.991016	.992548	.995131
	47	.969520	.977298	.983106	.987192	.990955	.992985	.996038	.996886	.998206
	48	.983145	.989094	.992699	.995018	.996942	.997868	.999064	.999341	.999707
	49	.995456	.997852	.998954	.999483	.999795	.999898	.999980	.999990	.999998
50	1	.031676	.045007	.058155	.071122	.087989	.100545	.129036	.141027	.168236
	2	.058704	.075581	.091398	.106470	.125524	.139404	.170201	.182936	.211452
	3	.083646	.102959	.120614	.137138	.157704	.172502	.204896	.218143	.247553
	4	.107542	.128756	.147837	.165482	.187209	.202706	.236302	.249930	.279986
	5	.130772	.153548	.173791	.192343	.215000	.231051	.265581	.279496	.310023
	6	.153522	.177618	.198833	.218135	.241553	.258050	.293313	.307445	.338307
	7	.175904	.201131	.223170	.243101	.267146	.284004	.319841	.334133	.365221
	8	.197585	.224192	.246935	.267396	.291958	.309107	.345385	.359790	.391012
	9	.219815	.246874	.270220	.291126	.316113	.333494	.370098	.384577	.415853
	10	.241428	.269230	.293091	.314369	.339701	.357260	.394093	.408609	.439870
	11	.262851	.291297	.315596	.337183	.362788	.380480	.417452	.431974	.463156
	12	.284103	.313107	.337774	.359612	.385425	.403210	.440241	.454739	.485786
	13	.305199	.334683	.359656	.381691	.407654	.425492	.462510	.476958	.507818
	14	.326153	.356043	.381264	.403448	.429508	.447364	.484300	.498674	.529297
	15	.346974	.377203	.402617	.424905	.451011	.468853	.505644	.519921	.550262
	16	.367671	.398176	.423733	.446082	.472187	.489983	.526570	.540728	.570745
	17	.388251	.418971	.444623	.466994	.493052	.510774	.547100	.561119	.590770
	18	.408718	.439598	.465299	.487652	.513622	.531241	.567253	.581113	.610358
	19	.429079	.460063	.485769	.508069	.533908	.551398	.587044	.600726	.629528
	20	.449336	.480371	.506041	.528251	.553920	.571255	.606484	.619971	.648295
	21	.469492	.500528	.526120	.548206	.573667	.590822	.625586	.638859	.666668
	22	.489551	.520537	.546011	.567940	.593155	.610105	.644357	.657398	.684659
	23	.509514	.540401	.565718	.587456	.612389	.629110	.662802	.675596	.702275
	24	.529381	.560122	.585243	.606758	.631372	.647841	.680928	.693458	.719521
	25	.549155	.579701	.604588	.625848	.650107	.666300	.698737	.710986	.736401
	26	.568836	.599140	.623754	.644727	.668595	.684490	.716231	.728182	.752917
	27	.588423	.618437	.642741	.663395	.686837	.702409	.733410	.745048	.769069
	28	.607917	.637593	.661548	.681851	.704831	.720057	.750272	.761580	.784857
	29	.627316	.656606	.680174	.700093	.722574	.737431	.766816	.777778	.800277
	30	.646618	.675475	.698616	.718118	.740064	.754528	.783037	.793636	.815325

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
50	31	.665923	.694195	.716869	.735922	.757296	.771343	.798929	.809149	.829995
	32	.684927	.712764	.734931	.753499	.774263	.787868	.814485	.824308	.844278
	33	.703928	.731176	.752794	.770843	.790958	.804096	.829695	.839105	.858165
	34	.722921	.749427	.770452	.787945	.807371	.820016	.844547	.853526	.871642
	35	.741602	.767509	.787896	.804796	.823491	.835616	.859028	.867557	.884694
	36	.760266	.785414	.805115	.821382	.839302	.850879	.873119	.881181	.897302
	37	.778805	.803131	.822097	.837689	.854789	.865788	.886802	.894376	.909445
	38	.797211	.820648	.838825	.853699	.869930	.880321	.900049	.907117	.921096
	39	.815474	.837950	.855282	.869390	.884700	.894450	.912833	.919372	.932222
	40	.833581	.855019	.871443	.884734	.899068	.908142	.925115	.931104	.942785
	41	.851516	.871830	.887278	.899698	.912996	.921355	.936850	.942266	.952739
	42	.869260	.888353	.902752	.914238	.926434	.934039	.947983	.952803	.962025
	43	.886786	.904551	.917815	.928299	.939321	.946126	.958442	.962641	.970572
	44	.904058	.920370	.932403	.941808	.951575	.957531	.968136	.971689	.978293
	45	.921028	.935740	.946429	.954665	.963083	.968137	.976945	.979829	.985075
	46	.937623	.950554	.959763	.966725	.973690	.977782	.984707	.986903	.990779
	47	.953730	.964652	.972212	.977772	.983164	.986232	.991200	.992701	.995231
	48	.969152	.977756	.983448	.987451	.991139	.993128	.996119	.996949	.998243
	49	.983483	.989313	.992846	.995119	.997003	.997911	.999083	.999354	.999713
	50	.995547	.997895	.998975	.999494	.999799	.999900	.999980	.999990	.999998
52	26	.548402	.578374	.602804	.623687	.647531	.663459	.695399	.707474	.732558
	27	.567338	.597085	.621263	.641880	.665362	.681012	.712307	.724106	.748557
	28	.586198	.615668	.639560	.659881	.682968	.698320	.728928	.740436	.764223
	29	.604954	.634123	.657693	.677690	.700350	.715382	.745261	.756463	.779557
	30	.623634	.652449	.675662	.695304	.717504	.732195	.761305	.772185	.794557
	31	.642227	.670643	.693464	.712722	.734429	.748756	.777055	.787598	.809217
	32	.660731	.688703	.711096	.729940	.751119	.765061	.792506	.802698	.823534
	33	.679144	.706627	.728554	.746953	.767570	.781105	.807653	.817477	.837500
	34	.697465	.724410	.745833	.763756	.783776	.796880	.822487	.831928	.851106
	35	.715689	.742048	.762929	.780342	.799728	.812378	.836999	.846041	.864342
	36	.733812	.759534	.779832	.796702	.815417	.827588	.851176	.859803	.877196
	37	.751831	.776863	.796536	.812827	.830831	.842498	.865006	.873199	.889650
	38	.769740	.794026	.813028	.828703	.845956	.857093	.878470	.886213	.901688
	39	.787532	.811012	.829298	.844317	.860775	.871354	.891549	.898823	.913287
	40	.805198	.827810	.845329	.859651	.875269	.885260	.904218	.911004	.924422
	41	.822729	.844405	.861102	.874684	.889412	.898785	.916447	.922726	.935060
	42	.840114	.860779	.876597	.889388	.903175	.911897	.928203	.933953	.945165
	43	.857335	.876909	.891783	.903732	.916520	.924554	.939439	.944640	.954692
	44	.874375	.892767	.906625	.917674	.929401	.936709	.950103	.954731	.963583
	45	.891207	.908314	.921077	.931161	.941757	.948296	.960126	.964158	.971772
46	.907798	.923501	.935077	.944121	.953509	.959232	.969419	.972831	.979172	
47	.924100	.938259	.948540	.956459	.964550	.969406	.977867	.980637	.985675	
48	.940044	.952487	.961343	.968036	.974730	.978662	.985315	.987424	.991146	
49	.955522	.966029	.973299	.978643	.983826	.986774	.991547	.992989	.995419	
50	.970344	.978619	.984092	.987941	.991485	.993396	.996271	.997069	.998311	
51	.984119	.989726	.993123	.995308	.997119	.997992	.999119	.999380	.999724	
52	.995718	.997976	.999014	.999513	.999807	.999904	.999981	.999990	.999998	
54	26	.529362	.558959	.583161	.603905	.627662	.643576	.675605	.687757	.713083
	27	.547684	.577112	.601111	.621635	.645085	.660761	.692226	.704134	.728898
	28	.565928	.595149	.618913	.639190	.662230	.677721	.708585	.720236	.744409
	29	.584096	.613069	.636568	.656570	.679317	.694457	.724683	.736062	.759617
	30	.602186	.630872	.654073	.673775	.696126	.710969	.740517	.751612	.774571
	31	.620198	.648557	.671429	.690804	.712728	.727254	.756087	.766883	.789119
	32	.638130	.666123	.688633	.707653	.729120	.743310	.771390	.781872	.803407
	33	.655983	.683567	.705682	.724320	.745300	.759132	.786420	.796576	.817382
	34	.673753	.700888	.722574	.740802	.761262	.774718	.801174	.810988	.831036
	35	.691439	.718081	.739305	.757093	.777002	.790060	.815644	.825102	.844364

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
54	36	.709038	.735143	.755869	.773188	.792513	.805151	.829821	.838909	.857356
	37	.726547	.752069	.772260	.789080	.807787	.819982	.843697	.852400	.870001
	38	.743962	.768854	.788472	.804761	.822813	.834544	.857260	.865560	.882286
	39	.761279	.785491	.804496	.820220	.837581	.848824	.870495	.878378	.894196
	40	.778492	.801971	.820322	.835445	.852078	.862807	.883345	.890834	.905713
	41	.795595	.818285	.835936	.850423	.866285	.876475	.895912	.902909	.916815
	42	.812579	.834421	.851326	.865137	.880185	.889807	.908051	.914578	.927478
	43	.829436	.850365	.866472	.879564	.893753	.902778	.919773	.925812	.937670
	44	.846152	.866099	.881353	.893681	.906960	.915356	.931045	.936576	.947355
	45	.862715	.881601	.895941	.907455	.919769	.927503	.941824	.946825	.956489
	46	.879104	.896844	.910202	.920846	.932137	.939171	.952057	.956508	.965019
	47	.895295	.911791	.924090	.933802	.944004	.950297	.961678	.965556	.972877
	48	.911257	.926394	.937547	.946257	.955294	.960802	.970603	.973885	.979982
	49	.926942	.940587	.950491	.958116	.965905	.970578	.978719	.981383	.986228
	50	.942285	.954274	.962803	.969247	.975691	.979475	.985876	.987905	.991486
	51	.957181	.967303	.974303	.979449	.984437	.987274	.991868	.993256	.995593
	52	.971448	.979418	.984688	.988393	.991805	.993645	.996411	.997179	.998375
	53	.984708	.990108	.993379	.995483	.997227	.998067	.999152	.999403	.999734
	54	.995876	.998051	.999051	.999531	.999814	.999907	.999981	.999991	.999998
56	26	.511581	.540774	.564713	.585283	.608903	.624766	.656793	.668983	.694465
	27	.529325	.558396	.582175	.602564	.625925	.641583	.673119	.685095	.710076
	28	.546997	.575912	.599501	.619684	.642759	.658194	.689204	.700952	.725406
	29	.564600	.593320	.616692	.636645	.659406	.674600	.705049	.716556	.740459
	30	.582132	.610623	.633747	.653445	.675865	.690801	.720654	.731908	.755233
	31	.599593	.627818	.650666	.670085	.692137	.706796	.736019	.747007	.765728
	32	.616993	.644906	.667449	.686564	.708219	.722584	.751141	.761850	.783942
	33	.634300	.661884	.684092	.702879	.724110	.738162	.766018	.776435	.797873
	34	.651545	.678753	.700596	.719028	.739808	.753528	.780646	.790759	.811516
	35	.668715	.695508	.716955	.735009	.755307	.768677	.795022	.804817	.824867
	36	.685808	.712148	.733169	.750816	.770604	.783604	.809139	.818603	.837920
	37	.702822	.728669	.749231	.766445	.785692	.798304	.822991	.832110	.850666
	38	.719756	.745067	.765137	.781891	.800566	.812769	.836569	.845329	.863097
	39	.736604	.761338	.780881	.797145	.815218	.826991	.849864	.859250	.875202
	40	.753365	.777476	.796457	.812201	.829636	.840958	.862863	.870861	.886968
	41	.770032	.793474	.811855	.827048	.843812	.854659	.875552	.883148	.898380
	42	.786602	.809324	.827065	.841675	.857730	.868080	.887917	.895093	.909419
	43	.803067	.825017	.842076	.856067	.871375	.881202	.899936	.906677	.920066
	44	.819420	.840542	.856874	.870208	.884727	.894006	.911588	.917875	.930295
	45	.835652	.855884	.871441	.884078	.897765	.906467	.922844	.928660	.940077
	46	.851751	.871026	.885755	.897652	.910459	.918553	.933671	.938997	.949376
	47	.867703	.885948	.899790	.910899	.922775	.930229	.944028	.948845	.958149
	48	.883490	.900622	.913514	.923781	.934668	.941448	.953864	.958150	.966345
	49	.899087	.915013	.926881	.936249	.946084	.952149	.963114	.966849	.973899
	50	.914465	.929077	.939836	.948235	.956947	.962256	.971698	.974859	.980731
	51	.929579	.942747	.952300	.959652	.967160	.971664	.979507	.982074	.986740
	52	.944364	.955931	.964157	.970370	.976582	.980228	.986396	.988351	.991800
	53	.958720	.968484	.975235	.980196	.985004	.987739	.992166	.993502	.995755
	54	.972472	.980159	.985241	.988813	.992102	.993875	.996541	.997281	.998434
	55	.985255	.990463	.993617	.995645	.997327	.998137	.999182	.999424	.999744
	56	.996023	.998120	.999084	.999548	.999821	.999910	.999982	.999991	.999998
58	26	.494941	.523710	.547361	.567730	.591175	.606955	.638909	.651107	.676670
	27	.512140	.540828	.564355	.584577	.607804	.623409	.654936	.666944	.692062
	28	.529273	.557846	.581223	.601275	.624260	.639673	.670740	.682546	.707195
	29	.546341	.574767	.597967	.617826	.640543	.655748	.686322	.697915	.722070
	30	.563345	.591590	.614587	.634231	.656655	.671634	.701684	.713052	.736689

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
58	31	.580284	.608316	.631082	.650489	.672594	.687332	.716825	.727956	.751053
	32	.597159	.624943	.647453	.666600	.688362	.702842	.731745	.742627	.765159
	33	.613968	.641472	.663698	.682562	.703956	.718161	.746443	.757064	.779008
	34	.630711	.657901	.679817	.698375	.719374	.733288	.760915	.771265	.792595
	35	.647387	.674229	.695806	.714037	.734615	.748220	.775160	.785225	.805919
	36	.663995	.690454	.711665	.729543	.749675	.762955	.789174	.798942	.818975
	37	.680533	.706574	.727390	.744892	.764550	.777486	.802951	.812410	.831757
	38	.697000	.722586	.742978	.760079	.779235	.791811	.816486	.825623	.844260
	39	.713392	.738486	.758424	.775099	.793726	.805921	.829771	.838573	.856474
	40	.729709	.754271	.773723	.789946	.808014	.819811	.842799	.851253	.868391
	41	.745945	.769936	.788870	.804614	.822092	.833471	.855559	.863652	.880001
	42	.762099	.785475	.803858	.819093	.835951	.846890	.868040	.875757	.891290
	43	.778165	.800882	.818677	.833375	.849579	.860059	.880228	.887556	.902244
	44	.794138	.816149	.833319	.847448	.862964	.872960	.892108	.899030	.912845
	45	.810011	.831267	.847772	.861299	.876089	.885580	.903660	.910162	.923077
	46	.825779	.846225	.862022	.874911	.888937	.897896	.914862	.920927	.932902
	47	.841431	.861009	.876052	.888265	.901484	.909885	.925688	.931297	.942305
	48	.856956	.875603	.889842	.901336	.913704	.921518	.936104	.941241	.951247
	49	.872341	.889986	.903365	.914096	.925563	.932758	.946070	.950716	.959687
	50	.887568	.904133	.916590	.926507	.937017	.943560	.955539	.959673	.967575
	51	.902614	.918009	.929474	.938520	.948014	.953868	.964447	.968049	.974847
	52	.917450	.931570	.941963	.950073	.958483	.963606	.972715	.975764	.981426
	53	.932032	.944755	.953981	.961079	.968326	.972672	.980239	.982715	.987215
	54	.946299	.957477	.965416	.971414	.977409	.980928	.986879	.988765	.992097
	55	.960153	.969583	.976102	.980891	.985532	.988170	.992442	.993732	.995905
	56	.973425	.980849	.985755	.989204	.992378	.994089	.996663	.997377	.998489
	57	.985764	.990793	.993839	.995796	.997420	.998202	.999211	.999444	.999753
	58	.996160	.998185	.999116	.999564	.999827	.999914	.999983	.999991	.999998
60	26	.479338	.507670	.531015	.551162	.574402	.590075	.621898	.634077	.659662
	27	.496022	.524307	.547561	.567590	.590649	.606174	.637625	.649637	.674826
	28	.512645	.540853	.563990	.583881	.606735	.622095	.653145	.664979	.689749
	29	.529209	.557309	.580304	.600035	.622662	.637841	.668459	.680104	.704433
	30	.545713	.573674	.596504	.616054	.638429	.653413	.683569	.695014	.718879
	31	.562157	.589950	.612589	.631938	.654039	.668812	.698476	.709709	.733089
	32	.578542	.606136	.628560	.647687	.669490	.684038	.713180	.724191	.747063
	33	.594868	.622231	.644416	.663301	.684783	.699089	.727680	.738457	.760800
	34	.611134	.638237	.660157	.678778	.699916	.713966	.741975	.752508	.774298
	35	.627339	.654150	.675782	.694119	.714888	.728666	.756063	.766341	.787557
	36	.643482	.669971	.691289	.709319	.729697	.743187	.769941	.779954	.800573
	37	.659564	.685698	.706675	.724378	.744340	.757526	.783607	.793342	.813342
	38	.675581	.701328	.721939	.739293	.758814	.771680	.797056	.806502	.825859
	39	.691533	.716859	.737078	.754059	.773114	.785644	.810283	.819428	.838120
	40	.707418	.732289	.752087	.768674	.787236	.799412	.823282	.832114	.850117
	41	.723234	.747614	.766963	.783131	.801174	.812980	.836047	.844554	.861843
	42	.738977	.762831	.781701	.797424	.814922	.826338	.848567	.856737	.873289
	43	.754645	.777934	.796294	.811549	.828471	.839480	.860835	.868654	.884442
	44	.770234	.792917	.810737	.825495	.841812	.852394	.872838	.880294	.895422
	45	.785740	.807776	.825021	.839254	.854935	.865069	.884564	.891642	.905823
	46	.801158	.822502	.839136	.852814	.867825	.877492	.895996	.902682	.916019
	47	.816482	.837085	.853071	.866163	.880470	.889645	.907116	.913395	.925859
	48	.831704	.851517	.866812	.879284	.892849	.901509	.917902	.923759	.935319
	49	.846816	.865782	.880344	.892159	.904942	.913062	.928329	.933746	.944373
	50	.861807	.879866	.893646	.904764	.916722	.924273	.938364	.943325	.952985
	51	.876664	.893748	.906693	.917071	.928156	.935109	.947969	.952455	.961116
	52	.891370	.907404	.919455	.929044	.939203	.945526	.957096	.961088	.968717
	53	.905903	.920800	.931890	.940636	.949812	.955468	.965686	.969164	.975728
	54	.920233	.933894	.943945	.951785	.959912	.964862	.973661	.976605	.982073
	55	.934320	.946626	.955547	.962409	.969412	.973611	.980921	.983312	.987658

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
60	56	.548103	.958909	.966589	.972387	.978180	.981580	.987329	.989151	.992364
	57	.561489	.970608	.976909	.981538	.986023	.988573	.992700	.993946	.996045
	58	.574314	.981492	.986235	.989568	.992636	.994289	.996776	.997466	.998540
	59	.586240	.991101	.994045	.995937	.997506	.998262	.999237	.999463	.999761
	60	.996288	.998246	.999145	.999578	.999833	.999916	.999983	.999992	.999998
62	31	.545110	.572629	.595106	.614361	.636409	.651183	.680936	.692237	.715822
	32	.561031	.588392	.610690	.629756	.651547	.666123	.695414	.706516	.729645
	33	.576897	.604072	.626169	.645027	.666539	.680903	.709704	.720598	.743249
	34	.592709	.619669	.641542	.660173	.681385	.695522	.723806	.734481	.756634
	35	.608465	.635182	.656808	.675194	.696083	.709980	.737719	.748165	.769799
	36	.624165	.650611	.671968	.690088	.710633	.724275	.751441	.761647	.782742
	37	.639809	.665955	.687019	.704854	.725033	.738406	.764970	.774926	.795461
	38	.655395	.681212	.701959	.719489	.739280	.752369	.778302	.787998	.807552
	39	.670923	.696380	.716787	.733991	.753371	.766161	.791436	.800861	.820211
	40	.686391	.711459	.731500	.748358	.767303	.779780	.804365	.813508	.832234
	41	.701798	.726444	.746095	.762586	.781072	.793219	.817085	.825935	.844015
	42	.717141	.741334	.760569	.776670	.794673	.806474	.829590	.838136	.855547
	43	.732419	.756124	.774916	.790605	.808101	.819539	.841873	.850104	.866823
	44	.747629	.770812	.789132	.804386	.821347	.832407	.853925	.861828	.877832
	45	.762767	.785392	.803212	.818006	.834406	.845069	.865738	.873301	.888565
	46	.777830	.799859	.817149	.831457	.847267	.857514	.877299	.884509	.899009
	47	.792814	.814207	.830934	.844730	.859920	.869733	.888595	.895440	.909149
	48	.807715	.828429	.844559	.857814	.872353	.881710	.899612	.906078	.918970
	49	.822525	.842515	.858012	.870696	.884550	.893431	.910332	.916403	.928451
	50	.837239	.856455	.871280	.883361	.896494	.904875	.920732	.926395	.937569
	51	.851848	.870237	.884348	.895790	.908165	.916022	.930788	.936026	.946297
	52	.866340	.883846	.897195	.907962	.919535	.926842	.940469	.945265	.954603
	53	.880705	.897261	.909799	.919847	.930574	.937301	.949738	.954075	.962447
	54	.894924	.910459	.922129	.931411	.941242	.947359	.958548	.962408	.969782
	55	.908977	.923408	.934145	.942610	.951489	.956960	.966842	.970205	.976549
	56	.922835	.936066	.945796	.953383	.961246	.966034	.974544	.977391	.982676
	57	.936459	.948375	.957010	.963650	.970426	.974488	.981557	.983869	.988070
	58	.949790	.960252	.967686	.973295	.978900	.982189	.987749	.989511	.992617
	59	.962739	.971566	.977665	.982143	.986482	.988949	.992940	.994145	.996175
	60	.975146	.982094	.986683	.989908	.992876	.994476	.996881	.997549	.998588
	61	.986684	.991390	.994238	.996069	.997587	.998319	.999262	.999480	.999769
	62	.996407	.998302	.999173	.999592	.999838	.999919	.999984	.999992	.999998
64	31	.529051	.556271	.578557	.597690	.619648	.634392	.664167	.675507	.699233
	32	.544531	.571629	.593768	.612741	.634477	.649048	.678414	.689577	.712891
	33	.559961	.586910	.608881	.627677	.649171	.663555	.692487	.703463	.726346
	34	.575340	.602114	.623897	.642498	.663730	.677915	.706386	.717165	.739599
	35	.590669	.617242	.638815	.657203	.678153	.692126	.720111	.730684	.752649
	36	.605946	.632293	.653635	.671793	.692441	.706188	.733661	.744018	.765495
	37	.621172	.647266	.668356	.686265	.706591	.720099	.747033	.757166	.778135
	38	.636346	.662160	.682977	.700619	.720602	.733858	.760228	.770126	.790567
	39	.651467	.676974	.697496	.714853	.734472	.747463	.773241	.782895	.802790
	40	.666534	.691707	.711911	.728964	.748199	.760910	.786070	.795469	.814798
	41	.681546	.706356	.726221	.742951	.761780	.774197	.798712	.807846	.826588
	42	.696502	.720921	.740422	.756810	.775211	.787320	.811161	.820020	.838154
	43	.711399	.735397	.754511	.770537	.788487	.800273	.823412	.831987	.849492
	44	.726237	.749784	.768486	.784128	.801605	.813053	.835460	.843738	.860595
	45	.741013	.764076	.782341	.797579	.814558	.825652	.847297	.855269	.871453
	46	.755724	.778271	.796072	.810883	.827339	.838064	.858915	.866568	.882059
	47	.770367	.792364	.809674	.824034	.839942	.850279	.870305	.877628	.892402
	48	.784939	.806349	.823139	.837024	.852357	.862290	.881455	.888437	.902469
	49	.799436	.820221	.836459	.849844	.864573	.874083	.892353	.898980	.912247
	50	.813852	.833972	.849627	.862485	.876579	.885647	.902985	.909244	.921719

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
64	51	.828183	.847593	.862630	.874932	.888360	.896965	.913331	.919209	.930867
	52	.842421	.861076	.875457	.887171	.899899	.908018	.923373	.928854	.939666
	53	.856559	.874406	.888092	.899185	.911176	.918786	.933084	.938154	.948092
	54	.870585	.887570	.900516	.910951	.922165	.929241	.942435	.947078	.956113
	55	.884488	.900549	.912705	.922443	.932835	.939350	.951391	.955588	.963690
	56	.898252	.913318	.924631	.933626	.943149	.949072	.959905	.963641	.970777
	57	.911856	.925849	.936255	.944457	.953057	.958355	.967922	.971177	.977317
	58	.925272	.938099	.947528	.954879	.962495	.967131	.975369	.978125	.983240
	59	.938463	.950014	.958380	.964813	.971375	.975308	.982151	.984390	.988457
	60	.951371	.961511	.968712	.974146	.979574	.982759	.988142	.989847	.992655
	61	.963910	.972464	.978372	.982710	.986912	.989300	.993165	.994332	.996297
	62	.975926	.982657	.987103	.990227	.993102	.994651	.996980	.997626	.998633
	63	.987101	.991660	.994419	.996193	.997663	.998371	.999285	.999497	.999776
	64	.996519	.998355	.999199	.999604	.999843	.999922	.999984	.999992	.999998
66	31	.513899	.540801	.562875	.581863	.603699	.618390	.648132	.659487	.683297
	32	.528961	.555771	.577726	.596580	.618225	.632765	.662145	.673341	.696781
	33	.543975	.570670	.592486	.611190	.632626	.647002	.675996	.687025	.710076
	34	.558943	.585498	.607156	.625693	.646901	.661102	.689686	.700538	.723183
	35	.573864	.600255	.621736	.640089	.661051	.675064	.703214	.713881	.736102
	36	.588738	.614941	.636226	.654379	.675075	.688889	.716581	.727054	.748832
	37	.603565	.629555	.650624	.668561	.688973	.702575	.729785	.740055	.761373
	38	.618344	.644098	.664930	.682634	.702744	.716121	.742825	.752883	.773723
	39	.633075	.658567	.679144	.696598	.716387	.729527	.755700	.765537	.785880
	40	.647757	.672963	.693264	.710451	.729899	.742790	.768407	.778014	.797842
	41	.662390	.687284	.707288	.724191	.743279	.755907	.780944	.790312	.809605
	42	.676971	.701528	.721215	.737815	.756523	.768876	.793307	.802426	.821167
	43	.691501	.715694	.735041	.751322	.769630	.781694	.805492	.814354	.832523
	44	.705578	.729779	.748766	.764708	.782594	.794356	.817496	.826089	.843668
	45	.720399	.743781	.762384	.777969	.795413	.806859	.829313	.837628	.854595
	46	.734764	.757697	.775894	.791102	.808081	.819196	.840936	.848963	.865299
	47	.749070	.771524	.789290	.804100	.820592	.831362	.852359	.860087	.875771
	48	.763314	.785259	.802569	.816960	.832941	.843349	.863573	.870992	.886002
	49	.777494	.798896	.815723	.829673	.845119	.855150	.874570	.881669	.895982
	50	.791606	.812430	.828747	.842234	.857117	.866754	.885338	.892105	.905700
	51	.805646	.825856	.841634	.854632	.868926	.878151	.895866	.902288	.915140
	52	.819609	.839167	.854374	.866857	.880534	.889329	.906137	.912203	.924288
	53	.833491	.852354	.866958	.878898	.891927	.900271	.916137	.921831	.933124
	54	.847283	.865407	.879371	.890740	.903087	.910960	.925843	.931154	.941627
	55	.860979	.878315	.891601	.902365	.913995	.921374	.935232	.940144	.949771
	56	.874568	.891063	.903628	.913752	.924627	.931488	.944276	.948773	.957525
	57	.888039	.903632	.915429	.924875	.934953	.941269	.952938	.957005	.964853
	58	.901376	.916001	.926977	.935702	.944936	.950678	.961176	.964795	.971708
	59	.914558	.928139	.938235	.946189	.954527	.959663	.968934	.972088	.978036
	60	.927560	.940007	.949153	.956282	.963665	.968159	.976142	.978812	.983768
	61	.940344	.951551	.959666	.965903	.972264	.976077	.982709	.984878	.988818
	62	.952856	.962691	.969676	.974944	.980207	.983294	.988511	.990163	.993078
	63	.965010	.973307	.979036	.983242	.987315	.989631	.993377	.994507	.996412
	64	.976658	.983186	.987498	.990526	.993313	.994815	.997073	.997699	.998675
	65	.987492	.991913	.994589	.996309	.997734	.998421	.999307	.999512	.999783
	66	.996625	.998405	.999223	.999616	.999848	.999924	.999985	.999992	.999998
68	31	.499580	.526151	.547997	.566822	.588512	.603129	.632791	.644141	.667989
	32	.514244	.540750	.562501	.581215	.602741	.617228	.646570	.657778	.681293
	33	.528864	.555283	.576921	.595508	.616854	.631197	.660198	.671256	.694420
	34	.543440	.569749	.591257	.609702	.630850	.645039	.673675	.684574	.707371
	35	.557973	.584150	.605509	.623796	.644729	.658753	.687002	.697735	.720147
	36	.572444	.598449	.619509	.637796	.658729	.672753	.701002	.711735	.734147

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
68	36	.572463	.558485	.619677	.637792	.658492	.672339	.700178	.710736	.732748
	37	.586908	.612754	.633762	.651688	.672139	.685798	.713204	.723579	.745173
	38	.601310	.626957	.647761	.665484	.685668	.699127	.726079	.736263	.757471
	39	.615668	.641093	.661676	.679180	.699079	.712327	.738802	.748786	.769493
	40	.629981	.655162	.675504	.692774	.712371	.725396	.751371	.761146	.781384
	41	.644249	.669162	.689246	.706265	.725542	.738333	.763785	.773343	.793095
	42	.658470	.683092	.702899	.719651	.738591	.751135	.776040	.785373	.804621
	43	.672645	.696952	.716461	.732931	.751514	.763799	.788135	.797233	.815961
	44	.686772	.710739	.729932	.746102	.764310	.776324	.800065	.808921	.827109
	45	.700850	.724452	.743308	.759162	.776975	.788705	.811828	.820431	.838062
	46	.714878	.738089	.756587	.772106	.789505	.800939	.823417	.831759	.848815
	47	.728853	.751647	.769766	.784933	.801897	.813021	.834829	.842900	.859361
	48	.742774	.765123	.782840	.797637	.814145	.824946	.846057	.853847	.869694
	49	.756640	.778515	.795807	.810213	.826245	.836707	.857094	.864594	.879806
	50	.770446	.791818	.808662	.822657	.838188	.848299	.867932	.875131	.889688
	51	.784191	.805028	.821398	.834962	.849969	.859712	.878562	.885449	.899331
	52	.797871	.818140	.834010	.847120	.861579	.870937	.888974	.895538	.908722
	53	.811483	.831149	.846491	.859122	.873007	.881964	.899155	.905385	.917848
	54	.825021	.844046	.858831	.870960	.884243	.892781	.909091	.914974	.926693
	55	.838480	.856826	.871020	.882620	.895271	.903371	.918765	.924289	.935239
	56	.851854	.869477	.883047	.894089	.906077	.913719	.928158	.933309	.943465
	57	.865135	.881988	.894896	.905350	.916641	.923802	.937247	.942010	.951345
	58	.878314	.894345	.906551	.916382	.926939	.933597	.946002	.950364	.958850
	59	.891378	.906530	.917989	.927160	.936942	.943070	.954390	.958334	.965943
	60	.904313	.918522	.929182	.937652	.946614	.952185	.962368	.965878	.972581
	61	.917100	.930292	.940095	.947816	.955908	.960891	.969884	.972943	.978711
	62	.929712	.941801	.950681	.957600	.964764	.969124	.976869	.979458	.984264
	63	.942114	.952996	.960874	.966928	.973101	.976799	.983233	.985337	.989158
	64	.954252	.963802	.970582	.975695	.980801	.983796	.988857	.990460	.993287
	65	.966045	.974099	.979660	.983742	.987695	.989941	.993575	.994672	.996520
	66	.977347	.983684	.987869	.990808	.993512	.994970	.997160	.997768	.998715
	67	.987861	.992152	.994749	.996418	.997802	.998468	.999328	.999527	.999790
	68	.996724	.998452	.999246	.999628	.999852	.999926	.999985	.999993	.999999
70	31	.486029	.512259	.533864	.552513	.574036	.588565	.618109	.629436	.653283
	32	.500315	.526503	.548036	.566593	.587978	.602397	.631655	.642856	.666402
	33	.514559	.540685	.562128	.580579	.601809	.616099	.645059	.656126	.679356
	34	.528762	.554806	.576141	.594472	.615531	.629686	.658321	.669246	.692144
	35	.542925	.568865	.590077	.608273	.629145	.643154	.671444	.682219	.704769
	36	.557048	.582863	.603934	.621982	.642650	.656503	.684426	.695044	.717230
	37	.571129	.596799	.617713	.635598	.656047	.669733	.697269	.707721	.729527
	38	.585171	.610675	.631414	.649122	.669335	.682843	.709971	.720250	.741661
	39	.599171	.624488	.645036	.662552	.682514	.695834	.722533	.732630	.753630
	40	.613131	.638239	.658580	.675889	.695583	.708704	.734952	.744861	.765433
	41	.627049	.651928	.672043	.689132	.708541	.721452	.747229	.756941	.777070
	42	.640925	.665553	.685425	.702279	.721387	.734077	.759361	.768868	.788537
	43	.654758	.679113	.698725	.715329	.734119	.746577	.771345	.780640	.799834
	44	.668548	.692608	.711942	.728280	.746735	.758950	.783181	.792254	.810956
	45	.682294	.706036	.725073	.741130	.759233	.771193	.794864	.803708	.821901
	46	.695994	.719396	.738117	.753877	.771610	.783303	.806392	.814998	.832665
	47	.709647	.732684	.751071	.766518	.783862	.795277	.817760	.826120	.843243
	48	.723253	.745901	.763933	.779051	.795987	.807111	.828963	.837068	.853631
	49	.736809	.759042	.776700	.791470	.807980	.818800	.839998	.847838	.863822
	50	.750314	.772106	.789367	.803773	.819836	.830339	.850857	.858424	.873809
	51	.763765	.785089	.801932	.815954	.831550	.841723	.861533	.868817	.883586
	52	.777160	.797987	.814389	.828009	.843115	.852944	.872020	.879011	.893143
	53	.790496	.810796	.826733	.839930	.854525	.863994	.882308	.888995	.902470
	54	.803770	.823512	.838959	.851711	.865770	.874865	.892386	.898759	.911556
	55	.816578	.836128	.851057	.863343	.876841	.885545	.902243	.908291	.920387

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
70	56	.830116	.848638	.863022	.874816	.887727	.896023	.911864	.917576	.928949
	57	.843178	.861034	.874841	.886120	.898415	.906284	.921234	.926596	.937224
	58	.856159	.873307	.886504	.897239	.908888	.916312	.930333	.935333	.945190
	59	.869049	.885445	.897997	.908158	.919128	.926085	.939139	.943763	.952823
	60	.881841	.897435	.909302	.918856	.929112	.935579	.947624	.951858	.960094
	61	.894523	.909259	.920397	.929310	.938812	.944764	.955755	.959583	.966968
	62	.907081	.920897	.931257	.939487	.948192	.953602	.963490	.966897	.973403
	63	.919494	.932319	.941846	.949348	.957207	.962046	.970778	.973747	.979345
	64	.931740	.943490	.952119	.958840	.965799	.970033	.977552	.980066	.984731
	65	.943781	.954358	.962012	.967892	.973888	.977479	.983726	.985768	.989478
70	66	.955568	.964848	.971435	.976402	.981361	.984269	.989183	.990740	.993484
	67	.967020	.974846	.980248	.984213	.988052	.990233	.993762	.994827	.996621
	68	.977997	.984154	.988218	.991073	.993700	.995115	.997247	.997833	.998752
	69	.988208	.992377	.994900	.996521	.997865	.998512	.999347	.999540	.999796
	70	.996817	.998496	.999268	.999638	.999856	.999928	.999986	.999993	.999999
72	36	.542429	.568014	.588942	.606900	.627506	.641342	.669298	.679952	.702262
	37	.556163	.581631	.602426	.620243	.640656	.654344	.681953	.692458	.714423
	38	.569860	.595191	.615837	.633500	.653705	.667236	.694478	.704826	.726431
	39	.583519	.608693	.629174	.646670	.666653	.680016	.706872	.717055	.738286
	40	.597140	.622138	.642439	.659754	.679500	.692684	.719134	.729146	.749988
	41	.610722	.635525	.655630	.672751	.692243	.705239	.731264	.741098	.761534
	42	.624266	.648853	.668746	.685659	.704884	.717682	.743260	.752908	.772925
	43	.637771	.662122	.681787	.698479	.717419	.730009	.755122	.764576	.784158
	44	.651236	.675332	.694752	.711208	.729849	.742220	.766846	.776099	.795231
	45	.664661	.688480	.707639	.723845	.742171	.754312	.778432	.787476	.806143
72	46	.678045	.701566	.720447	.736389	.754383	.766284	.789876	.798704	.816889
	47	.691337	.714589	.733174	.748837	.766483	.778133	.801176	.809779	.827467
	48	.704686	.727546	.745817	.761187	.778468	.789856	.812327	.820698	.837872
	49	.717940	.740437	.758376	.773437	.790335	.801449	.823327	.831457	.848101
	50	.731149	.753258	.770847	.785582	.802080	.812909	.834170	.842050	.858148
	51	.744310	.766008	.783226	.797620	.813699	.824230	.844851	.852474	.868007
	52	.757423	.778684	.795512	.809547	.825187	.835409	.855365	.862721	.877671
	53	.770484	.791282	.807699	.821357	.836539	.846438	.865704	.872784	.887134
	54	.783491	.803800	.819783	.833046	.847750	.857312	.875861	.882656	.896386
	55	.796443	.816232	.831758	.844607	.858810	.868022	.885828	.892327	.905418
72	56	.809334	.828575	.843620	.856034	.869714	.878559	.895593	.901787	.914219
	57	.822162	.840822	.855360	.867318	.880450	.888914	.905146	.911023	.922774
	58	.834923	.852967	.866970	.878449	.891008	.899075	.914472	.920022	.931071
	59	.847611	.865002	.878442	.889416	.901375	.909026	.923557	.928767	.939090
	60	.860220	.876918	.889763	.900206	.911536	.918753	.932380	.937238	.946812
	61	.872743	.888705	.900920	.910804	.921472	.928234	.940921	.945414	.954213
	62	.885170	.900349	.911895	.921188	.931160	.937446	.949151	.953265	.961265
	63	.897492	.911833	.922668	.931336	.940574	.946360	.957040	.960760	.967933
	64	.909693	.923136	.933214	.941217	.949680	.954938	.964546	.967857	.974176
	65	.921755	.934232	.943498	.950792	.958432	.963135	.971620	.974505	.979943
72	66	.933654	.945084	.953476	.960010	.966775	.970890	.978196	.980639	.985171
	67	.945355	.955643	.963086	.968802	.974630	.978121	.984191	.986175	.989779
	68	.956810	.965836	.972240	.977068	.981889	.984715	.989491	.991003	.993669
	69	.967941	.975551	.980803	.984657	.988387	.990509	.993939	.994974	.996717
	70	.978610	.984597	.988548	.991324	.993877	.995252	.997320	.997894	.998787
	71	.988536	.992589	.995042	.996618	.997924	.998554	.999365	.999553	.999801
	72	.996906	.998538	.999288	.999648	.999860	.999930	.999986	.999993	.999999
74	36	.528547	.553886	.574652	.592502	.613020	.626820	.654764	.665437	.687829
	37	.541949	.567195	.587850	.605579	.625928	.639598	.667231	.677768	.699847
	38	.555317	.580451	.600980	.618575	.638742	.652271	.679575	.689971	.711721
	39	.568649	.593653	.614041	.631491	.651461	.664841	.691797	.702044	.723453
	40	.581945	.606802	.627035	.644326	.664086	.677306	.703897	.713988	.735042

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
74	41	.595207	.619897	.639960	.657080	.676616	.689667	.715873	.725802	.746486
	42	.608432	.632938	.652816	.669753	.689049	.701923	.727726	.737486	.757786
	43	.621622	.645925	.665603	.682344	.701387	.714073	.739454	.749037	.768940
	44	.634775	.658856	.678319	.694851	.713626	.726116	.751056	.760456	.779946
	45	.647891	.671732	.690964	.707274	.725767	.738050	.762531	.771740	.790804
	46	.660969	.684551	.703537	.719612	.737807	.749874	.773875	.782887	.801510
	47	.674010	.697312	.716037	.731863	.749745	.761585	.785088	.793895	.812062
	48	.687011	.710014	.728460	.744025	.761579	.773182	.796166	.804761	.822457
	49	.699972	.722655	.740808	.756095	.773306	.784662	.807107	.815482	.832692
	50	.712893	.735235	.753076	.768073	.784923	.796022	.817907	.826054	.842763
	51	.725771	.747750	.765262	.779954	.796428	.807258	.828561	.836473	.852664
	52	.738605	.760200	.777365	.791736	.807817	.818367	.839066	.846735	.862392
	53	.751395	.772581	.789381	.803416	.819085	.829343	.849417	.856834	.871941
	54	.764137	.784892	.801307	.814989	.830228	.840183	.859607	.866764	.881303
	55	.776830	.797128	.813138	.826451	.841241	.850880	.869630	.876517	.890472
	56	.789472	.809287	.824870	.837796	.852117	.861427	.879478	.886087	.899438
	57	.802060	.821364	.836499	.849018	.862850	.871817	.889143	.895464	.908193
	58	.814591	.833354	.848018	.860111	.873432	.882042	.898614	.904638	.916725
	59	.827060	.845253	.859420	.871067	.883853	.892091	.907881	.913597	.925022
	60	.839465	.857054	.870698	.881876	.894102	.901952	.916931	.922327	.933069
	61	.851800	.868749	.881841	.892527	.904167	.911612	.925746	.930813	.940848
	62	.864058	.880330	.892839	.903007	.914034	.921055	.934310	.939034	.948341
	63	.876233	.891785	.903679	.913301	.923683	.930262	.942601	.946969	.955524
	64	.888317	.903102	.914344	.923389	.933093	.939208	.950592	.954592	.962369
	65	.900297	.914265	.924814	.933249	.942238	.947866	.958253	.961870	.968843
	66	.912161	.925253	.935063	.942850	.951084	.956200	.965543	.968762	.974906
	67	.923891	.936040	.945058	.952156	.959589	.964164	.972415	.975220	.980507
	68	.935463	.946591	.954757	.961116	.967697	.971699	.978805	.981179	.985586
	69	.946844	.956858	.964100	.969662	.975331	.978727	.984630	.986560	.990064
	70	.957585	.966770	.973001	.977698	.982387	.985137	.989781	.991252	.993845
	71	.968811	.976218	.981328	.985078	.988708	.990770	.994106	.995112	.996807
	72	.979190	.985015	.988860	.991560	.994044	.995382	.997393	.997951	.998820
	73	.988846	.992790	.995177	.996710	.997981	.998593	.999382	.999565	.999807
	74	.996989	.998577	.999307	.999658	.999864	.999932	.999986	.999993	.999999
76	36	.515349	.540429	.561019	.578745	.599155	.612903	.640798	.651473	.673909
	37	.528434	.553442	.573940	.591563	.611826	.625459	.653076	.663629	.685780
	38	.541487	.566406	.586798	.604306	.624409	.637917	.665239	.675663	.697516
	39	.554506	.579319	.599592	.616973	.636903	.650278	.677287	.687576	.709118
	40	.567492	.592183	.612322	.629565	.649309	.662542	.689221	.699368	.720585
	41	.580445	.604996	.624989	.642082	.661625	.674708	.701039	.711039	.731918
	42	.593365	.617759	.637591	.654522	.673853	.686776	.712743	.722589	.743116
	43	.606252	.630472	.650129	.666887	.685991	.698745	.724330	.734016	.754179
	44	.619105	.643134	.662602	.679174	.698039	.710616	.735801	.745319	.765105
	45	.631924	.655744	.675009	.691384	.709996	.722386	.747154	.756498	.775893
	46	.644708	.668302	.687350	.703515	.721860	.734055	.758387	.767551	.786541
	47	.657458	.680807	.699623	.715567	.733631	.745621	.769499	.778476	.797047
	48	.670171	.693258	.711827	.727537	.745306	.757082	.780489	.789271	.807410
	49	.682849	.705654	.723962	.739424	.756883	.768436	.791352	.799934	.817627
	50	.695489	.717994	.736025	.751227	.768362	.779681	.802088	.810461	.827693
	51	.708091	.730276	.748014	.762943	.779739	.790815	.812692	.820850	.837607
	52	.720655	.742499	.759929	.774570	.791011	.801834	.823162	.831097	.847364
	53	.733177	.754661	.771765	.786105	.802176	.812734	.833493	.841198	.856960
	54	.745658	.766761	.783521	.797546	.813229	.823513	.843680	.851148	.866389
	55	.758096	.778794	.795194	.808888	.824167	.834165	.853720	.860942	.875646
	56	.770489	.790760	.806781	.820128	.834985	.844686	.863606	.870574	.884724
	57	.782835	.802655	.818277	.831261	.845678	.855070	.873331	.880037	.893617
	58	.795131	.814475	.829678	.842282	.856240	.865310	.882889	.889323	.902315
	59	.807376	.826216	.840979	.853185	.866664	.875400	.892270	.898423	.910809
	60	.819565	.837875	.852175	.863964	.876943	.885329	.901465	.907328	.919089

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
76	61	.831696	.849445	.863258	.874610	.887066	.895090	.910463	.916026	.927142
	62	.843763	.860920	.874221	.885115	.897025	.904670	.919251	.924503	.934954
	63	.855764	.872293	.885055	.895467	.906805	.914055	.927813	.932744	.942508
	64	.867691	.883556	.895749	.905655	.916394	.923231	.936133	.940730	.949785
	65	.879537	.894698	.906289	.915662	.925773	.932178	.944188	.948439	.956762
	66	.891295	.905707	.916660	.925471	.934920	.940874	.951954	.955846	.963412
	67	.902953	.916566	.926843	.935058	.943811	.949290	.959399	.962918	.969703
	68	.914499	.927256	.936811	.944396	.952412	.957392	.966486	.969618	.975595
	69	.925914	.937751	.946535	.953446	.960683	.965136	.973166	.975896	.981040
	70	.937177	.948017	.955971	.962162	.968568	.972464	.979380	.981691	.985978
	71	.948253	.958007	.965061	.970476	.975995	.979300	.985046	.986923	.990333
	72	.959098	.967653	.973721	.978295	.982860	.985536	.990056	.991488	.994011
	73	.969636	.976849	.981825	.985475	.989009	.991017	.994263	.995243	.996893
	74	.979739	.985412	.989156	.991784	.994203	.995505	.997463	.998006	.998852
	75	.989140	.992981	.995304	.996797	.998034	.998630	.999399	.999577	.999812
	76	.997068	.998615	.999325	.999667	.999868	.999934	.999987	.999993	.999999
78	36	.502787	.527598	.548000	.565591	.585875	.599559	.627373	.638036	.660484
	37	.515569	.540327	.560655	.578158	.598315	.611896	.639463	.650015	.672205
	38	.528320	.553009	.573249	.590654	.610671	.624142	.651444	.661880	.683798
	39	.541040	.565644	.585784	.603079	.622944	.636297	.663317	.673631	.695265
	40	.553728	.578233	.598259	.615434	.635134	.648360	.675083	.685269	.706606
	41	.566386	.590774	.610674	.627718	.647241	.660332	.686741	.696793	.717821
	42	.579013	.603269	.623029	.639931	.659264	.672212	.698291	.708203	.728909
	43	.591609	.615716	.635324	.652073	.671204	.684001	.709734	.719498	.739871
	44	.604174	.628116	.647559	.664143	.683061	.695697	.721067	.730679	.750706
	45	.616707	.640469	.659733	.676142	.694832	.707300	.732291	.741744	.761412
	46	.629208	.652773	.671845	.688067	.706518	.718810	.743404	.752692	.771988
	47	.641677	.665028	.683895	.699919	.718117	.730224	.754406	.763522	.782434
	48	.654113	.677234	.695882	.711697	.729629	.741542	.765294	.774233	.792747
	49	.666516	.689390	.707805	.723398	.741052	.752762	.776067	.784822	.802925
	50	.678885	.701494	.719663	.735023	.752383	.763882	.786722	.795287	.812967
	51	.691219	.713546	.731454	.746568	.763623	.774901	.797258	.805626	.822868
	52	.703518	.725544	.743176	.758033	.774767	.785815	.807672	.815835	.832627
	53	.715781	.737487	.754829	.769415	.785814	.796623	.817960	.825913	.842240
	54	.728006	.749374	.766410	.780711	.796761	.807322	.828120	.835854	.851702
	55	.740193	.761202	.777916	.791920	.807606	.817907	.838146	.845656	.861010
	56	.752340	.772970	.789345	.803038	.818343	.828375	.848036	.855313	.870159
	57	.764445	.784676	.800694	.814062	.828970	.838722	.857783	.864820	.879141
	58	.776507	.796315	.811961	.824987	.839492	.848942	.867383	.874171	.887953
	59	.788524	.807887	.823140	.835810	.849873	.859031	.876828	.883360	.896585
	60	.800493	.819387	.834228	.846525	.860139	.868981	.886112	.892379	.905031
	61	.812412	.830811	.845220	.857127	.870272	.878787	.895225	.901219	.913280
	62	.824279	.842155	.856110	.867609	.880264	.888438	.904160	.909870	.921322
	63	.836088	.853414	.866892	.877963	.890107	.897926	.912904	.918322	.929145
	64	.847838	.864582	.877558	.888180	.899790	.907240	.921445	.926560	.936735
	65	.859521	.875651	.888099	.898251	.909302	.916366	.929768	.934570	.944077
	66	.871134	.886614	.898504	.908162	.918628	.925290	.937857	.942333	.951150
	67	.882670	.897459	.908761	.917898	.927751	.933992	.945690	.949829	.957933
	68	.894119	.908175	.918855	.927442	.936650	.942450	.953242	.957032	.964399
	69	.905472	.918747	.928765	.936772	.945301	.950638	.960484	.963911	.970517
	70	.916715	.929154	.938469	.945860	.953370	.958521	.967378	.970428	.976248
	71	.927833	.939373	.947934	.954669	.961719	.966057	.973878	.976536	.981545
	72	.938801	.949365	.957120	.963153	.969394	.973189	.979925	.982175	.986350
	73	.949590	.959098	.965971	.971247	.976624	.979843	.985439	.987268	.990588
	74	.960153	.968492	.974404	.978860	.983307	.985914	.990317	.991711	.994168
	75	.970418	.977447	.982296	.985853	.989295	.991250	.994413	.995367	.996974

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
78	76	.980260	.985788	.989436	.991997	.994353	.995622	.997528	.998058	.998881
	77	.989419	.993161	.995425	.996880	.998085	.998665	.999414	.999588	.999817
	78	.997143	.998650	.999343	.999675	.999871	.999936	.999987	.999994	.999999
80	36	.490817	.515351	.535558	.553002	.573147	.586755	.614462	.625101	.647535
	37	.503308	.527807	.547954	.565326	.585361	.598879	.626365	.636905	.659103
	38	.515770	.540219	.560294	.577582	.597496	.610917	.638165	.648600	.670551
	39	.528203	.552586	.572578	.589772	.609552	.622868	.649864	.660188	.681880
	40	.540607	.564909	.584805	.601895	.621530	.634733	.661461	.671669	.693090
	41	.552982	.577188	.596976	.613952	.633431	.646513	.672958	.683043	.704182
	42	.565328	.589424	.609091	.625943	.645253	.658206	.684353	.694310	.715154
	43	.577644	.601615	.621150	.637866	.656997	.669814	.695647	.705471	.726008
	44	.589932	.613762	.633153	.649724	.668662	.681335	.706839	.716523	.736743
	45	.602190	.625864	.645099	.661514	.680249	.692770	.717929	.727468	.747358
	46	.614419	.637922	.656987	.673236	.691756	.704117	.728915	.738304	.757852
	47	.626617	.649935	.668819	.684890	.703182	.715377	.739799	.749030	.768225
	48	.638786	.661901	.680591	.696475	.714528	.726547	.750577	.759645	.778474
	49	.650924	.673822	.692305	.707991	.725792	.737627	.761248	.770148	.788600
	50	.663030	.685695	.703958	.719435	.736972	.748615	.771812	.780537	.798598
	51	.675105	.697520	.715551	.730807	.748067	.759509	.782266	.790810	.808469
	52	.687148	.709297	.727081	.742105	.759075	.770309	.792609	.800965	.818209
	53	.699158	.721023	.738548	.753328	.769996	.781012	.802837	.811000	.827815
	54	.711134	.732699	.749949	.764474	.780825	.791615	.812947	.820911	.837284
	55	.723075	.744321	.761283	.775540	.791561	.802116	.822938	.830695	.846614
	56	.734990	.755890	.772548	.786525	.802202	.812512	.832806	.840349	.855799
	57	.746848	.767402	.783742	.797426	.812744	.822799	.842546	.849869	.864836
	58	.758678	.778857	.794862	.808240	.823183	.832974	.852154	.859250	.873720
	59	.770468	.790251	.805906	.818962	.833517	.843033	.861626	.868486	.882445
	60	.782217	.801583	.816869	.829591	.843739	.852970	.870955	.877573	.891005
	61	.793922	.812849	.827749	.840120	.853846	.862780	.880136	.886504	.899392
	62	.805581	.824045	.838541	.850546	.863831	.872457	.889161	.895270	.907599
	63	.817192	.835169	.849240	.860863	.873688	.881994	.898022	.903864	.915617
	64	.828752	.846216	.859841	.871064	.883410	.891383	.906710	.912276	.923435
	65	.840258	.857180	.870337	.881141	.892987	.900613	.915215	.920495	.931041
	66	.851704	.868056	.880721	.891086	.902411	.909675	.923523	.928508	.938422
	67	.863088	.878837	.890985	.900889	.911668	.918556	.931620	.936299	.945562
	68	.874403	.889514	.901117	.910538	.920745	.927240	.939490	.943852	.952442
	69	.885643	.900079	.911106	.920018	.929626	.935710	.947112	.951146	.959042
	70	.896799	.910517	.920936	.929312	.938290	.943944	.954463	.958156	.965334
	71	.907862	.920816	.930589	.938398	.946713	.951916	.961512	.964851	.971288
	72	.918820	.930956	.940041	.947248	.954864	.959592	.968224	.971196	.976867
	73	.929654	.940912	.949262	.955829	.962702	.966931	.974553	.977143	.982024
	74	.940344	.950652	.958211	.964094	.970178	.973877	.980441	.982634	.986702
	75	.950860	.960132	.966835	.971979	.977221	.980358	.985812	.987594	.990830
	76	.961155	.969287	.975053	.979397	.983732	.986273	.990564	.991922	.994317
	77	.971161	.978016	.982743	.986211	.989566	.991472	.994555	.995485	.997051
	78	.980755	.986146	.989702	.992199	.994495	.995732	.997591	.998107	.998910
	79	.989694	.993333	.995540	.996958	.998133	.998699	.999429	.999598	.999821
	80	.997215	.998684	.999359	.999684	.999874	.999937	.999987	.999994	.999999
82	41	.540189	.564199	.583860	.600752	.620165	.633223	.659668	.669773	.690987
	42	.552265	.576184	.595742	.612525	.631789	.644731	.670907	.680895	.701840
	43	.564313	.588127	.607571	.624236	.643339	.656159	.682051	.691917	.712580
	44	.576334	.600029	.619348	.635884	.654816	.667507	.693099	.702837	.723209
	45	.588328	.611890	.631071	.647469	.666219	.678772	.704051	.713657	.733725
	46	.600295	.623709	.642741	.658991	.677548	.689957	.714907	.724375	.744129
	47	.612233	.635485	.654358	.670450	.688802	.701059	.725667	.734990	.754419
	48	.624143	.647220	.665920	.681844	.699980	.712078	.736328	.745503	.764595
	49	.636025	.658911	.677427	.693174	.711083	.723014	.746891	.755911	.774654
	50	.647879	.670559	.688879	.704438	.722108	.733865	.757354	.766213	.784597

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
82	51	.659703	.682162	.700275	.715635	.733055	.744630	.767716	.776409	.794421
	52	.671497	.693721	.711613	.726765	.743923	.755307	.777975	.786496	.804125
	53	.683262	.705234	.722894	.737826	.754709	.765896	.788129	.796472	.813706
	54	.694995	.716700	.734114	.748816	.765412	.776393	.798176	.806335	.823162
	55	.706697	.728119	.745274	.759735	.776031	.786798	.808114	.816083	.832490
	56	.718366	.739488	.756371	.770579	.786564	.797107	.817939	.825712	.841687
	57	.730003	.750807	.767404	.781347	.797007	.807318	.827650	.835220	.850750
	58	.741604	.762074	.778371	.792037	.807358	.817428	.837242	.844603	.859674
	59	.753170	.773288	.789269	.802647	.817614	.827435	.846711	.853857	.868456
	60	.764700	.784445	.800097	.813172	.827771	.837333	.856054	.862977	.877091
	61	.776191	.795545	.810850	.823610	.837827	.847119	.865265	.871958	.885572
	62	.787642	.806584	.821527	.833957	.847776	.856784	.874339	.880795	.893894
	63	.799051	.817560	.832123	.844209	.857613	.866334	.883270	.889482	.902050
	64	.810416	.828469	.842634	.854361	.867333	.875753	.892051	.898010	.910032
	65	.821734	.839308	.853056	.864408	.876929	.885036	.900673	.906371	.917831
	66	.833003	.850072	.863382	.874342	.886395	.894175	.909128	.914557	.925437
	67	.844220	.860757	.873608	.884157	.895721	.903162	.917406	.922555	.932838
	68	.855379	.871356	.883725	.893845	.904898	.911986	.925493	.930354	.940021
	69	.866478	.881863	.893726	.903395	.913914	.920634	.933377	.937940	.946970
	70	.877510	.892270	.903599	.912795	.922755	.929092	.941040	.945293	.953668
	71	.888469	.902567	.913333	.922032	.931407	.937342	.948462	.952396	.960093
	72	.899347	.912743	.922914	.931088	.939848	.945363	.955621	.959223	.966221
	73	.910135	.922783	.932322	.939942	.948054	.953130	.962488	.965744	.972020
	74	.920820	.932668	.941535	.948568	.955997	.960609	.969027	.971925	.977454
	75	.931386	.942375	.950524	.956931	.963636	.967760	.975194	.977719	.982478
	76	.941811	.951872	.959249	.964987	.970923	.974530	.980932	.983071	.987037
	77	.952067	.961116	.967656	.972675	.977787	.980848	.986167	.987905	.991060
	78	.962108	.970044	.975669	.979907	.984135	.986614	.990799	.992124	.994459
	79	.971868	.978556	.983168	.986551	.989824	.991683	.994690	.995597	.997124
	80	.981226	.986486	.989955	.992391	.994631	.995837	.997650	.998153	.998937
	81	.989936	.993496	.995649	.997032	.998179	.998731	.999443	.999608	.999826
	82	.997282	.998716	.999375	.999691	.999877	.999939	.999988	.999994	.999999
84	41	.527966	.551768	.571290	.588086	.607417	.620436	.646852	.656963	.678223
	42	.539783	.563512	.582946	.599647	.618846	.631762	.657934	.667939	.688952
	43	.551574	.575216	.594552	.611150	.630206	.643013	.668927	.678820	.699575
	44	.563340	.586887	.606109	.622593	.641497	.654187	.679829	.689606	.710093
	45	.575080	.598508	.617616	.633978	.652718	.665285	.690642	.700297	.720506
	46	.586793	.610095	.629073	.645303	.663870	.676306	.701365	.710893	.730812
	47	.598481	.621643	.640479	.656569	.674952	.687251	.711997	.721393	.741012
	48	.610143	.633152	.651836	.667775	.685963	.698118	.722537	.731796	.751105
	49	.621778	.644620	.663141	.678921	.696904	.708907	.732986	.742103	.761090
	50	.633387	.656048	.674394	.690006	.707773	.719617	.743341	.752311	.770567
	51	.644969	.667435	.685596	.701029	.718569	.730248	.753603	.762420	.780733
	52	.656523	.678781	.696745	.711990	.729292	.740798	.763769	.772428	.790387
	53	.668049	.690084	.707840	.722887	.739940	.751265	.773839	.782334	.799928
	54	.679548	.701345	.718880	.733719	.750512	.761650	.783810	.792136	.809354
	55	.691017	.712562	.729865	.744486	.761007	.771949	.793681	.801832	.818662
	56	.702457	.723734	.740792	.755185	.771422	.782160	.803450	.811420	.827850
	57	.713866	.734861	.751661	.765815	.781757	.792283	.813114	.820897	.836916
	58	.725245	.745940	.762471	.776374	.792008	.802315	.822670	.830261	.845857
	59	.736591	.756971	.773218	.786860	.802173	.812252	.832115	.839508	.854668
	60	.747904	.767952	.783902	.797271	.812250	.822092	.841447	.848635	.863346
	61	.759184	.778881	.794520	.807604	.822236	.831832	.850661	.857637	.871886
	62	.770428	.789757	.805070	.817856	.832126	.841468	.859752	.866511	.880285
	63	.781634	.800577	.815549	.828024	.841919	.850996	.868717	.875251	.888536
	64	.792803	.811339	.825953	.838105	.851608	.860412	.877550	.883852	.896634
	65	.803930	.822039	.836280	.848094	.861190	.869709	.886244	.892307	.904571

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
84	66	.815016	.832675	.846524	.857986	.870658	.878882	.894793	.900609	.912339
	67	.826056	.843243	.856683	.867776	.880008	.887924	.903190	.908750	.919931
	68	.837048	.853739	.866749	.877458	.889230	.896827	.911424	.916721	.927336
	69	.847990	.864158	.876718	.887024	.898318	.905583	.919486	.924511	.934543
	70	.858876	.874495	.886582	.896467	.907260	.914181	.927365	.932108	.941538
	71	.869704	.884742	.896332	.905776	.916048	.922609	.935045	.939497	.948307
	72	.880467	.894892	.905960	.914941	.924666	.930852	.942512	.946667	.954832
	73	.891159	.904935	.915452	.923946	.933099	.938893	.949745	.953583	.961093
	74	.901773	.914861	.924795	.932776	.941328	.946712	.956723	.960236	.967063
	75	.912299	.924654	.933970	.941411	.949330	.954283	.963416	.966593	.972715
	76	.922724	.934297	.942956	.949823	.957074	.961576	.969790	.972618	.978012
	77	.933034	.943767	.951724	.957980	.964524	.968549	.975803	.978267	.982910
	78	.943208	.953033	.960235	.965838	.971631	.975152	.981399	.983485	.987355
	79	.953216	.962053	.968438	.973337	.978327	.981314	.986504	.988200	.991278
	80	.963015	.970764	.976255	.980392	.984519	.986938	.991022	.992315	.994594
	81	.972540	.979071	.983573	.986875	.990070	.991884	.994818	.995703	.997194
	82	.981674	.986809	.990196	.992573	.994760	.995937	.997707	.998198	.998962
	83	.990175	.993651	.995753	.997103	.998222	.998761	.999456	.999617	.999830
	84	.997347	.998746	.999390	.999699	.999880	.999940	.999988	.999994	.999999
86	41	.516278	.539863	.559235	.575924	.595158	.608128	.634488	.644593	.665873
	42	.527846	.551374	.570672	.587279	.606396	.619275	.645414	.655423	.676477
	43	.539390	.562847	.582062	.598578	.617569	.630350	.656256	.666163	.686980
	44	.550910	.574284	.593405	.609822	.628677	.641353	.667013	.676813	.697384
	45	.562405	.585684	.604701	.621011	.639720	.652284	.677685	.687374	.707689
	46	.573876	.597047	.615951	.632143	.650697	.663143	.688272	.697845	.717893
	47	.585323	.608373	.627153	.643220	.661608	.673930	.698774	.708226	.727998
	48	.596745	.619662	.638308	.654241	.672454	.684645	.709190	.718516	.738002
	49	.608142	.630914	.649415	.665206	.683233	.695287	.719520	.728716	.747905
	50	.619515	.642128	.660474	.676113	.693946	.705855	.729764	.738823	.757706
	51	.630862	.653304	.671485	.686963	.704590	.716348	.739919	.748838	.767404
	52	.642184	.664442	.682446	.697755	.715167	.726767	.749987	.758760	.776598
	53	.653481	.675541	.693358	.708489	.725674	.737110	.759964	.768587	.786488
	54	.664751	.686600	.704219	.719162	.736111	.747375	.769851	.778317	.795870
	55	.675995	.697619	.715029	.729775	.746476	.757562	.779645	.787950	.805144
	56	.687211	.708597	.725787	.740326	.756769	.767669	.789344	.797483	.814308
	57	.698400	.719533	.736491	.750813	.766938	.777694	.798948	.806915	.823359
	58	.709561	.730426	.747141	.761236	.777130	.787636	.808453	.816243	.832295
	59	.720692	.741275	.757735	.771593	.787195	.797492	.817858	.825464	.841113
	60	.731794	.752079	.768271	.781882	.797179	.807260	.827159	.834577	.849810
	61	.742865	.762836	.778747	.792100	.807082	.816938	.836354	.843577	.858384
	62	.753904	.773545	.789163	.802246	.816899	.826523	.845439	.852461	.866829
	63	.764910	.784205	.799515	.812317	.826628	.836011	.854411	.861226	.875141
	64	.775882	.794813	.809801	.822310	.836266	.845398	.863265	.869866	.883317
	65	.786819	.805367	.820019	.832223	.845808	.854682	.871996	.878378	.891350
	66	.797718	.815865	.830164	.842050	.855252	.863856	.880600	.886755	.899235
	67	.808578	.826303	.840235	.851789	.864591	.872916	.889070	.894991	.906964
	68	.819397	.836680	.850227	.861434	.873821	.881857	.897400	.903079	.914531
	69	.830173	.846990	.860135	.870980	.882935	.890670	.905581	.911011	.921927
	70	.840902	.857231	.869954	.880422	.891927	.899350	.913606	.918779	.929141
	71	.851581	.867398	.879678	.889752	.900788	.907886	.921464	.926371	.936164
	72	.862208	.877484	.889301	.898962	.909509	.916269	.929144	.933775	.942981
	73	.872777	.887483	.898814	.908043	.918078	.924487	.936632	.940979	.949579
	74	.883294	.897389	.908207	.916983	.926484	.932526	.943912	.947964	.955939
	75	.893722	.907191	.917469	.925769	.934710	.940369	.950966	.954713	.962043
	76	.904084	.916878	.926586	.934384	.942738	.947995	.957770	.961201	.967865
	77	.914360	.926437	.935540	.942809	.950544	.955382	.964299	.967401	.973376
	78	.924539	.935850	.944310	.951018	.958101	.962496	.970517	.973278	.978543
	79	.934605	.945094	.952868	.958978	.965370	.969301	.976383	.978789	.983321
	80	.944539	.954140	.961175	.966648	.972305	.975744	.981843	.983880	.987658

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
86	81	.954311	.962945	.969182	.973968	.978841	.981758	.986826	.988481	.991487
	82	.963880	.971450	.976814	.980855	.984885	.987247	.991235	.992497	.994722
	83	.973182	.979561	.983959	.987184	.990304	.992076	.994941	.995805	.997260
	84	.982102	.987117	.990426	.992748	.994883	.996033	.997761	.998240	.998987
	85	.990404	.993799	.995852	.997171	.998264	.998790	.999469	.999626	.999834
86	86	.997409	.998776	.999404	.999706	.999883	.999947	.999988	.999994	.999999
88	41	.505091	.528452	.547666	.564239	.583363	.596275	.622556	.632646	.653923
	42	.516420	.539737	.558890	.575393	.594415	.607246	.633328	.643330	.664400
	43	.527726	.550988	.570071	.586495	.605405	.618148	.644020	.653929	.674782
	44	.539009	.562203	.581206	.597544	.616334	.628982	.654631	.664443	.685070
	45	.550269	.573384	.592298	.608541	.627201	.639749	.665162	.674872	.695263
88	46	.561506	.584531	.603345	.619485	.638006	.650447	.675612	.685217	.705362
	47	.572721	.595642	.614348	.630376	.648749	.661078	.685983	.695476	.715367
	48	.583912	.606719	.625307	.641215	.659430	.671640	.696273	.705650	.725277
	49	.595080	.617760	.636220	.652002	.670049	.682134	.706482	.715739	.735092
	50	.606225	.628767	.647089	.662734	.680605	.692559	.716610	.725742	.744811
88	51	.617346	.639738	.657912	.673413	.691098	.702915	.726655	.735658	.754434
	52	.628444	.650673	.668690	.684038	.701527	.713200	.736618	.745487	.763960
	53	.639518	.661571	.679421	.694609	.711892	.723415	.746498	.755227	.773388
	54	.650568	.672433	.690106	.705123	.722192	.733558	.756293	.764878	.782717
	55	.661593	.683258	.700743	.715582	.732425	.743628	.766002	.774438	.791945
88	56	.672593	.694045	.711332	.725983	.742592	.753624	.775624	.783906	.801071
	57	.683567	.704794	.721871	.736326	.752689	.763545	.785157	.793281	.810093
	58	.694516	.715503	.732361	.746610	.762718	.773389	.794600	.802560	.819009
	59	.705438	.726172	.742799	.756833	.772674	.783155	.803950	.811742	.827816
	60	.716332	.736799	.753185	.766994	.782558	.792841	.813207	.820823	.836514
88	61	.727199	.747385	.763516	.777092	.792367	.802444	.822366	.829803	.845098
	62	.738038	.757927	.773793	.787123	.802099	.811963	.831426	.838678	.853565
	63	.748846	.768424	.784012	.797088	.811751	.821395	.840383	.847444	.861913
	64	.759624	.778875	.794172	.806982	.821322	.830737	.849234	.856098	.870138
	65	.770370	.789278	.804272	.816804	.830808	.839986	.857976	.864638	.878234
88	66	.781084	.799631	.814307	.826551	.840205	.849137	.866605	.873057	.886198
	67	.791762	.809932	.824276	.836220	.849511	.858188	.875115	.881351	.894025
	68	.802405	.820178	.834176	.845807	.858720	.867134	.883501	.889516	.901708
	69	.813010	.830367	.844004	.855308	.867829	.875969	.891758	.897544	.909241
	70	.823576	.840497	.853754	.864718	.876832	.884688	.899880	.905429	.916616
88	71	.834099	.850562	.863424	.874033	.885723	.893285	.907858	.913163	.923825
	72	.844577	.860560	.873008	.883247	.894496	.901751	.915683	.920737	.930859
	73	.855007	.870486	.882500	.892352	.903141	.910079	.923347	.928141	.937706
	74	.865386	.880334	.891893	.901340	.911650	.918258	.930838	.935363	.944354
	75	.875709	.890097	.901179	.910203	.920013	.926276	.938143	.942389	.950789
88	76	.885972	.899770	.910349	.918930	.928216	.934121	.945246	.949204	.956993
	77	.896167	.909341	.919392	.927506	.936245	.941775	.952128	.955788	.962948
	78	.906289	.918802	.928294	.935917	.944081	.949219	.958769	.962119	.968628
	79	.916327	.928137	.937037	.944142	.951702	.956428	.965140	.968170	.974007
	80	.926270	.937330	.945601	.952157	.959079	.963374	.971210	.973906	.979049
88	81	.936104	.946360	.953958	.959930	.966177	.970017	.976936	.979286	.983713
	82	.945809	.955195	.962072	.967420	.972949	.976308	.982267	.984257	.987947
	83	.955356	.963797	.969893	.974569	.979331	.982181	.987132	.988749	.991685
	84	.964706	.972105	.977348	.981296	.985234	.987542	.991438	.992671	.994844
	85	.973794	.980029	.984327	.987478	.990527	.992258	.995057	.995902	.997324
88	86	.982510	.987412	.990645	.992914	.995000	.996124	.997812	.998281	.999010
	87	.990622	.993940	.995947	.997236	.998304	.998818	.999481	.999635	.999838
	88	.997467	.998803	.999417	.999712	.999886	.999943	.999989	.999994	.999999

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
90	41	.494373	.517504	.536554	.553004	.572008	.584854	.611037	.621104	.642358
	42	.505472	.528573	.547573	.563963	.582879	.595652	.621657	.631643	.652708
	43	.516550	.539608	.558550	.574873	.593690	.606385	.632199	.642101	.662967
	44	.527605	.550610	.569485	.585732	.604443	.617054	.642665	.652479	.673137
	45	.538639	.561579	.580378	.596542	.615137	.627658	.653056	.662776	.683217
	46	.549651	.572516	.591228	.607307	.625773	.638197	.663370	.672993	.693208
	47	.560642	.583419	.602037	.618013	.636350	.648673	.673608	.683129	.703110
	48	.571610	.594290	.612805	.628673	.646869	.659084	.683771	.693185	.712922
	49	.582558	.605128	.623529	.639284	.657329	.669431	.693857	.703161	.722644
	50	.593483	.615933	.634212	.649845	.667731	.679713	.703867	.713056	.732277
	51	.604386	.626704	.644852	.660356	.678073	.689930	.713799	.722869	.741819
	52	.615267	.637442	.655450	.670816	.688355	.700081	.723655	.732600	.751270
	53	.626126	.648146	.666004	.681224	.698577	.710166	.733432	.742249	.760630
	54	.636962	.658816	.676514	.691581	.708739	.720184	.743130	.751814	.769896
	55	.647775	.669451	.686981	.701886	.718838	.730134	.752748	.761295	.779069
	56	.658565	.680051	.697402	.712138	.728876	.740015	.762285	.770690	.788146
	57	.669332	.690615	.707778	.722335	.738850	.749827	.771740	.779998	.797127
	58	.680074	.701143	.718108	.732478	.748759	.759568	.781112	.789218	.806011
	59	.690792	.711634	.728391	.742566	.758603	.769237	.790398	.798348	.814794
	60	.701485	.722087	.738625	.752596	.768380	.778833	.799597	.807387	.823475
	61	.712153	.732502	.748810	.762568	.778088	.788353	.808708	.816331	.832053
	62	.722795	.742877	.758945	.772480	.787726	.797795	.817728	.825180	.840524
	63	.733409	.753212	.769028	.782330	.797292	.807159	.826655	.833930	.848886
	64	.743996	.763504	.779057	.792118	.806784	.816441	.835485	.842579	.857136
	65	.754555	.773754	.789031	.801841	.816199	.825639	.844217	.851123	.865270
	66	.765084	.783958	.798949	.811496	.825536	.834750	.852847	.859560	.873285
	67	.775582	.794117	.808807	.821081	.834790	.843772	.861371	.867885	.881177
	68	.786048	.804227	.818604	.830594	.843959	.852699	.869785	.876094	.888940
	69	.796482	.814287	.828337	.840031	.853039	.861529	.878084	.884182	.896571
	70	.806880	.824294	.838003	.849388	.862026	.870257	.886265	.892145	.904062
	71	.817242	.834246	.847598	.858663	.870916	.878879	.894319	.899975	.911408
	72	.827565	.844139	.857119	.867850	.879703	.887387	.902242	.907667	.918601
	73	.837847	.853971	.866562	.876944	.888381	.895777	.910026	.915212	.925633
	74	.848086	.863737	.875921	.885940	.896945	.904041	.917663	.922602	.932495
	75	.858278	.873433	.885191	.894831	.905385	.912170	.925142	.929827	.939175
	76	.868421	.883054	.894366	.903609	.913693	.920154	.932453	.936875	.945663
	77	.878509	.892593	.903436	.912264	.921858	.927983	.939583	.943734	.951942
	78	.888538	.902043	.912394	.920787	.929869	.935642	.946517	.950386	.957998
	79	.898502	.911395	.921227	.929164	.937710	.943116	.953237	.956814	.963810
	80	.908394	.920639	.929924	.937379	.945363	.950386	.959721	.962996	.969356
	81	.918205	.929761	.938466	.945414	.952806	.957427	.965943	.968904	.974608
	82	.927924	.938744	.946834	.953245	.960012	.964211	.971871	.974506	.979532
	83	.937536	.947568	.955000	.960839	.966946	.970701	.977464	.979761	.984087
	84	.947022	.956203	.962928	.968157	.973563	.976847	.982671	.984616	.988223
	85	.956355	.964610	.970571	.975143	.979799	.982585	.987424	.989005	.991874
	86	.965494	.972731	.977857	.981717	.985568	.987824	.991632	.992837	.994961
	87	.974379	.980476	.984678	.987759	.990740	.992433	.995169	.995994	.997384
	88	.982899	.987693	.990854	.993072	.995112	.996211	.997861	.998319	.999032
	89	.990831	.994075	.996037	.997297	.998342	.998844	.999493	.999643	.999841
	90	.997524	.998830	.999430	.999719	.999888	.999944	.999989	.999994	.999999
92	46	.538280	.560574	.579574	.595571	.613977	.626373	.651528	.661159	.681419
	47	.549055	.571677	.590194	.606104	.624391	.636696	.661635	.671172	.691216
	48	.559809	.582348	.600775	.616591	.634751	.646957	.671669	.681109	.700927
	49	.570543	.592988	.611316	.627030	.645054	.657158	.681632	.690969	.710554
	50	.581256	.603597	.621818	.637422	.655302	.667298	.691522	.700754	.720096

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
92	51	.591949	.614175	.632279	.647767	.665495	.677376	.701340	.710461	.729553
	52	.602620	.624721	.642700	.658065	.675631	.687392	.711084	.720092	.738924
	53	.613271	.635235	.653080	.668314	.685711	.697347	.720756	.729645	.748209
	54	.623901	.645718	.663420	.678515	.695734	.707239	.730353	.739120	.757406
	55	.634509	.656168	.673718	.688667	.705699	.717067	.739876	.748515	.766516
	56	.645096	.666585	.683975	.698769	.715606	.726831	.749323	.757831	.775537
	57	.655661	.676969	.694189	.708822	.725454	.736531	.758694	.767066	.784468
	58	.666203	.687320	.704360	.718823	.735243	.746165	.767987	.776219	.793308
	59	.676723	.697636	.714488	.728773	.744970	.755732	.777201	.785288	.802056
	60	.687220	.707917	.724571	.738671	.754636	.765231	.786335	.794273	.810709
93	61	.697694	.718163	.734609	.748514	.764238	.774660	.795387	.803171	.819266
	62	.708143	.728373	.744601	.758303	.773777	.784019	.804356	.811981	.827725
	63	.718568	.738545	.754545	.768036	.783249	.793305	.813239	.820701	.836085
	64	.728968	.748680	.764441	.777711	.792653	.802517	.822035	.829328	.844341
	65	.739342	.758775	.774287	.787328	.801988	.811653	.830740	.837860	.852493
	66	.749689	.768830	.784081	.796883	.811252	.820710	.839353	.846294	.860536
	67	.760009	.778843	.793822	.806375	.820441	.829685	.847871	.854628	.868467
	68	.770300	.788813	.803508	.815802	.829554	.838577	.856290	.862858	.876283
	69	.780562	.798738	.813137	.825162	.838588	.847382	.864606	.870979	.883980
	70	.790793	.808616	.822706	.834452	.847540	.856096	.872816	.878988	.891553
94	71	.800991	.818446	.832214	.843668	.856405	.864716	.880916	.886881	.898997
	72	.811156	.828225	.841656	.852807	.865180	.873237	.888899	.894651	.906306
	73	.821286	.837950	.851030	.861866	.873861	.881654	.896761	.902294	.913474
	74	.831378	.847619	.860333	.870840	.882442	.889963	.904496	.909801	.920493
	75	.841430	.857227	.869559	.879724	.890918	.898156	.912095	.917167	.927357
	76	.851440	.866772	.878704	.888512	.899282	.906226	.919551	.924382	.934055
	77	.861405	.876249	.887762	.897198	.907527	.914165	.926855	.931436	.940577
	78	.871321	.885653	.896728	.905775	.915643	.921964	.933994	.938319	.946911
	79	.881185	.894977	.905592	.914232	.923620	.929612	.940958	.945017	.953043
	80	.890991	.904215	.914347	.922561	.931447	.937094	.947731	.951514	.958957
95	81	.900734	.913357	.922981	.930747	.939108	.944397	.954295	.957793	.964634
	82	.910407	.922394	.931481	.938777	.946587	.951500	.960630	.963832	.970051
	83	.920001	.931312	.939832	.946630	.953861	.958381	.966709	.969605	.975182
	84	.929505	.940096	.948011	.954284	.960904	.965011	.972502	.975079	.979993
	85	.938905	.948723	.955995	.961708	.967682	.971354	.977968	.980214	.984444
	86	.948182	.957167	.963747	.968862	.974149	.977361	.983058	.984960	.988486
	87	.957309	.965387	.971219	.975692	.980246	.982971	.987704	.989249	.992055
	88	.966248	.973329	.978344	.982120	.985886	.988093	.991817	.992996	.995073
	89	.974938	.980903	.985015	.988028	.990944	.992599	.995275	.996083	.997442
	90	.983272	.987962	.991054	.993224	.995220	.996294	.997908	.998356	.999053
96	91	.991031	.994205	.996124	.997356	.998378	.998870	.999504	.999651	.999845
	92	.997577	.998855	.999443	.999725	.999891	.999946	.999989	.999995	.999999
	46	.527364	.549879	.568357	.584268	.602597	.614956	.640071	.649700	.669984
	47	.537931	.560387	.578795	.594629	.612852	.625127	.650046	.659590	.679674
	48	.548478	.570865	.589194	.604945	.623054	.635241	.659953	.669407	.689283
	49	.559006	.581314	.599556	.615217	.633203	.645298	.669791	.679152	.698812
	50	.569515	.591733	.609881	.625444	.643301	.655296	.679561	.688824	.708260
	51	.580004	.602123	.620167	.635626	.653345	.665237	.689263	.698424	.717628
	52	.590474	.612483	.630416	.645764	.663337	.675119	.698896	.707952	.726915
	53	.600924	.622813	.640626	.655856	.673275	.684943	.708459	.717406	.736120
97	54	.611354	.633113	.650799	.665903	.683160	.694708	.717954	.726786	.745244
	55	.621764	.643382	.660932	.675904	.692991	.704413	.727378	.736093	.754285
	56	.632153	.653621	.671026	.685859	.702767	.714059	.736731	.745324	.763242
	57	.642523	.663829	.681081	.695766	.712489	.723644	.746013	.754480	.772116
	58	.652871	.674006	.691096	.705627	.722154	.733168	.755222	.763560	.780905
	59	.663199	.684151	.701071	.715440	.731763	.742629	.764358	.772562	.789607
	60	.673506	.694264	.711004	.725203	.741315	.752027	.773419	.781485	.798222

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
94	61	.683790	.704344	.720895	.734918	.750808	.761362	.782405	.790327	.806748
	62	.694053	.714390	.730743	.744581	.760242	.770630	.791313	.799089	.815183
	63	.704293	.724402	.740548	.754193	.769615	.779832	.800143	.807767	.823526
	64	.714510	.734379	.750309	.763752	.778926	.788966	.808892	.816360	.831774
	65	.724703	.744321	.760023	.773257	.788173	.798030	.817559	.824866	.839926
	66	.734872	.754225	.769691	.782707	.797355	.807022	.826141	.833283	.847979
	67	.745016	.764092	.779311	.792099	.806471	.815941	.834636	.841608	.855930
	68	.755134	.773920	.788880	.801433	.815516	.824783	.843042	.849838	.863777
	69	.765226	.783707	.798399	.810706	.824491	.833547	.851356	.857971	.871515
	70	.775290	.793453	.807864	.819916	.833391	.842230	.859574	.866003	.879142
	71	.785325	.803156	.817274	.829060	.842215	.850828	.867693	.873931	.886653
	72	.795331	.812813	.826626	.838137	.850959	.859339	.875709	.881750	.894045
	73	.805305	.822423	.835919	.847143	.859620	.867759	.883618	.889456	.901311
	74	.815247	.831983	.845148	.856074	.868193	.876082	.891414	.897043	.908446
	75	.825154	.841492	.854311	.864927	.876675	.884305	.899093	.904507	.915445
	76	.835025	.850946	.863404	.873697	.885060	.892423	.906647	.911839	.922300
	77	.844858	.860341	.872424	.882381	.893342	.900428	.914071	.919034	.929002
	78	.854649	.869675	.881364	.890971	.901516	.908313	.921355	.926081	.935544
	79	.864397	.878943	.890221	.899462	.909574	.916072	.928490	.932973	.941915
	80	.874097	.888139	.898987	.907846	.917507	.923694	.935467	.939698	.948103
	81	.883746	.897258	.907654	.916114	.925304	.931169	.942272	.946243	.954094
	82	.893339	.906292	.916215	.924257	.932955	.938483	.948891	.952592	.959873
	83	.902871	.915234	.924658	.932262	.940445	.945621	.955307	.958729	.965421
	84	.912334	.924073	.932971	.940113	.947757	.952566	.961499	.964632	.970715
	85	.921720	.932797	.941138	.947793	.954870	.959293	.967442	.970275	.975730
	86	.931019	.941389	.949138	.955278	.961757	.965776	.973105	.975626	.980433
	87	.940216	.949828	.956947	.962539	.968385	.971978	.978450	.980647	.984786
	88	.949293	.958089	.964530	.969536	.974711	.977854	.983427	.985288	.988738
	89	.958223	.966131	.971840	.976217	.980674	.983340	.987971	.989483	.992228
	90	.966970	.973901	.978810	.982506	.986191	.988350	.991994	.993148	.995180
	91	.975473	.981313	.985336	.988286	.991139	.992759	.995377	.996167	.997497
	92	.983629	.988219	.991246	.993369	.995322	.996373	.997953	.998392	.999074
	93	.991222	.994328	.996206	.997413	.998412	.998894	.999515	.999658	.999848
	94	.997629	.998880	.999454	.999731	.999893	.999947	.999989	.999995	.999999
96	46	.516877	.539207	.557555	.573372	.591613	.603926	.628983	.638603	.658891
	47	.527243	.549526	.567815	.583564	.601711	.613950	.638927	.648368	.668472
	48	.537591	.559817	.578038	.593714	.611760	.623918	.648607	.658066	.677578
	49	.547921	.570080	.588226	.603822	.621758	.633832	.658322	.667694	.687407
	50	.558232	.580315	.598378	.613888	.631706	.643691	.667971	.677254	.696759
	51	.568525	.590522	.608494	.623911	.641605	.653495	.677556	.686746	.706036
	52	.578799	.600701	.618575	.633892	.651454	.663244	.687076	.696168	.715235
	53	.589055	.610852	.628619	.643830	.661252	.672937	.696531	.705522	.724358
	54	.599292	.620975	.638628	.653725	.671000	.682576	.705920	.714806	.733403
	55	.609510	.631069	.648600	.663577	.680697	.692158	.715243	.724020	.742371
	56	.619709	.641134	.658535	.673386	.690343	.701684	.724500	.733164	.751260
	57	.629889	.651170	.668433	.683151	.699937	.711153	.733689	.742236	.760070
	58	.640050	.661177	.678294	.692871	.709480	.720565	.742810	.751238	.768801
	59	.650191	.671155	.688117	.702547	.718969	.729919	.751863	.760166	.777451
	60	.660312	.681102	.697901	.712177	.728405	.739214	.760847	.769021	.786019
	61	.670413	.691019	.707647	.721761	.737786	.748449	.769759	.777801	.794504
	62	.680494	.700905	.717353	.731298	.747113	.757623	.778601	.786506	.802905
	63	.690554	.710759	.727019	.740788	.756383	.766736	.787369	.795134	.811221
	64	.700592	.720580	.736643	.750228	.765596	.775786	.796063	.803683	.819449
	65	.710609	.730369	.746226	.759619	.774750	.784771	.804681	.812151	.827588
	66	.720604	.740125	.755766	.768959	.783845	.793690	.813221	.820538	.835636
	67	.730575	.749845	.765261	.778247	.792878	.802542	.821682	.828841	.843590
	68	.740524	.759531	.774711	.787482	.801848	.811325	.830061	.837057	.851449
	69	.750448	.769179	.784115	.796661	.810753	.820037	.838356	.845185	.859210
	70	.760347	.778790	.793470	.805783	.819592	.828675	.846565	.853221	.866869

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
96	71	.770220	.788362	.802776	.814847	.828361	.837237	.854685	.861163	.874424
	72	.780067	.797894	.812031	.823849	.837059	.845720	.862711	.869008	.881871
	73	.789886	.807383	.821231	.832788	.845682	.854122	.870642	.876751	.889206
	74	.799676	.816829	.830376	.841662	.854228	.862439	.878473	.884388	.896424
	75	.809436	.826229	.839463	.850466	.862693	.870667	.886200	.891916	.903521
	76	.819164	.835581	.848489	.859198	.871074	.878803	.893818	.899329	.910491
	77	.828859	.844882	.857450	.867855	.879365	.886840	.901321	.906621	.917328
	78	.838518	.854131	.866344	.876431	.887563	.894775	.908704	.913787	.924025
	79	.848140	.863323	.875165	.884922	.895661	.902600	.915959	.920818	.930575
	80	.857722	.872454	.883910	.893323	.903653	.910310	.923079	.927706	.936968
	81	.867262	.881521	.892574	.901627	.911532	.917896	.930054	.934443	.943194
	82	.876755	.890519	.901149	.909828	.919290	.925349	.936875	.941016	.949242
	83	.886199	.899441	.909628	.917915	.926916	.932658	.943528	.947415	.955099
	84	.895588	.908282	.918003	.925880	.934399	.939811	.950000	.953623	.960749
	85	.904917	.917032	.926264	.933711	.941725	.946793	.956274	.959624	.966173
	86	.914179	.925682	.934397	.941392	.948877	.953585	.962330	.965397	.971350
	87	.923367	.934219	.942388	.948906	.955836	.960166	.968143	.970916	.976255
	88	.932468	.942627	.950217	.956230	.962574	.966508	.973683	.976150	.980855
	89	.941471	.950887	.957859	.963334	.969059	.972576	.978911	.981062	.985112
	90	.950356	.958972	.965280	.970182	.975248	.978325	.983781	.985602	.988979
98	91	.959099	.966844	.972434	.976720	.981083	.983694	.988227	.989707	.992394
	92	.967661	.974449	.979256	.982875	.986483	.988597	.992164	.993293	.995282
	93	.975986	.981705	.985644	.988532	.991326	.992911	.995475	.996248	.997550
	94	.983971	.988466	.991429	.993509	.995420	.996450	.997996	.998425	.999093
	95	.991405	.994447	.996286	.997467	.998446	.998917	.999525	.999665	.999851
	96	.997678	.998903	.999466	.999736	.999895	.999948	.999990	.999995	.999999
	46	.506794	.528934	.547146	.562862	.581007	.593267	.618248	.627851	.648127
	47	.516968	.539070	.557233	.572890	.590952	.603145	.627964	.637495	.657601
	48	.527123	.549180	.567285	.582879	.600849	.612971	.637617	.647072	.667001
	49	.537261	.559263	.577303	.592826	.610699	.622744	.647209	.656585	.676330
	50	.547382	.569320	.587288	.602734	.620501	.632465	.656739	.666032	.685585
	51	.557485	.579350	.597238	.612601	.630256	.642134	.666207	.675414	.694768
	52	.567571	.589353	.607155	.622429	.639964	.651751	.675614	.684731	.703878
	53	.577638	.599330	.617037	.632215	.649624	.661316	.684959	.693982	.712915
	54	.587689	.609280	.626885	.641962	.659237	.670828	.694241	.703168	.721879
	55	.597721	.619204	.636699	.651668	.668801	.680287	.703462	.712288	.730769
	56	.607736	.629100	.646479	.661332	.678318	.689693	.712619	.721341	.739586
	57	.617733	.638969	.656223	.670956	.687785	.699046	.721714	.730327	.748328
	58	.627711	.648810	.665933	.680538	.697204	.708345	.730745	.739246	.756995
	59	.637671	.658623	.675607	.690077	.706573	.717590	.739711	.748097	.765587
	60	.647613	.668409	.685245	.699575	.715893	.726779	.748612	.756879	.774102
	61	.657536	.678166	.694846	.709029	.725161	.735913	.757448	.765592	.782539
	62	.667440	.687894	.704411	.718440	.734378	.744990	.766216	.774233	.790898
	63	.677324	.697593	.713939	.727806	.743543	.754009	.774917	.782803	.799176
	64	.687189	.707261	.723428	.737127	.752655	.762970	.783548	.791300	.807374
	65	.697033	.716900	.732878	.746402	.761712	.771872	.792110	.799723	.815489
	66	.706857	.726507	.742289	.755630	.770714	.780713	.800599	.808069	.823520
	67	.716660	.736083	.751659	.764810	.779660	.789491	.809016	.816339	.831465
	68	.726442	.745626	.760988	.773941	.788548	.798207	.817357	.824529	.839323
	69	.736202	.755136	.770274	.783022	.797377	.806857	.825622	.832638	.847089
	70	.745939	.764611	.779517	.792050	.806145	.815440	.833807	.840664	.854764
	71	.755652	.774051	.788714	.801026	.814850	.823954	.841912	.848603	.862343
	72	.765342	.783454	.797865	.809946	.823490	.832397	.849933	.856455	.869824
	73	.775006	.792820	.806967	.818809	.832064	.840766	.857867	.864214	.877204
	74	.784645	.802147	.816020	.827614	.840568	.849059	.865711	.871880	.884479
	75	.794257	.811432	.825021	.836357	.849000	.857273	.873462	.879447	.891646

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
98	76	.803840	.820676	.833967	.845036	.857357	.865405	.881117	.886911	.898699
	77	.813395	.829875	.842858	.853648	.865635	.873450	.888670	.894269	.905634
	78	.822918	.839027	.851688	.862190	.873831	.881406	.896117	.901515	.912447
	79	.832409	.848131	.860457	.870658	.881941	.889266	.903453	.908644	.919129
	80	.841866	.857182	.869159	.879048	.889959	.897026	.910672	.915650	.925676
	81	.851286	.866179	.877791	.887356	.897880	.904680	.917766	.922525	.932079
	82	.860668	.875117	.886349	.895576	.905699	.912221	.924729	.929261	.938330
	83	.870008	.883992	.894828	.903701	.913407	.919642	.931551	.935849	.944418
	84	.879303	.892800	.903220	.911726	.920997	.926933	.938223	.942278	.950333
	85	.888550	.901534	.911519	.919640	.928459	.934084	.944731	.948537	.956061
	86	.897743	.910188	.919717	.927436	.935782	.941083	.951063	.954610	.961587
	87	.906878	.918755	.927802	.935100	.942951	.947915	.957201	.960481	.966893
	88	.915948	.927223	.935764	.942618	.949951	.954562	.963126	.966129	.971959
	89	.924945	.935581	.943587	.949972	.956761	.961002	.968814	.971529	.976757
	90	.933858	.943814	.951251	.957142	.963356	.967210	.974236	.976652	.981259
	91	.942675	.951902	.958733	.964097	.969704	.973149	.979353	.981459	.985425
	92	.951376	.959819	.965998	.970801	.975763	.978777	.984120	.985903	.989210
	93	.959938	.967527	.973004	.977203	.981476	.984032	.988472	.989922	.992553
	94	.968325	.974975	.979684	.983229	.986763	.988833	.992327	.993432	.995380
	95	.976478	.982080	.985940	.988769	.991505	.993058	.995569	.996326	.997601
	96	.984299	.988702	.991605	.993642	.995515	.996523	.998038	.998458	.999112
	97	.991580	.994560	.996362	.997519	.998477	.998939	.999534	.999672	.999854
	98	.997726	.998925	.999477	.999742	.999897	.999949	.999990	.999995	.999999
100	46	.497094	.519038	.537110	.552720	.570761	.582962	.607853	.617433	.637681
	47	.507081	.528998	.547029	.562588	.580556	.592697	.617441	.626955	.647047
	48	.517050	.538932	.556915	.572419	.590305	.602382	.626969	.636414	.656343
	49	.527004	.548841	.566768	.582210	.600009	.612017	.636439	.645811	.665569
	50	.536940	.558725	.576589	.591964	.609668	.621603	.645850	.655145	.674726
	51	.546860	.568583	.586378	.601679	.619283	.631139	.655202	.664418	.683814
	52	.556763	.578416	.596135	.611356	.628852	.640625	.664495	.673629	.692833
	53	.566650	.588224	.605859	.620995	.638376	.650062	.673730	.682777	.701783
	54	.576519	.598007	.615551	.630595	.647854	.659449	.682906	.691863	.710663
	55	.586372	.607764	.625211	.640157	.657288	.668786	.692023	.700887	.719474
	56	.596208	.617495	.634838	.649680	.666675	.678073	.701081	.709847	.728214
	57	.606027	.627201	.644432	.659164	.676017	.687309	.710079	.718745	.736885
	58	.615829	.636881	.653993	.668609	.685313	.696495	.719016	.727579	.745484
	59	.625614	.646535	.663520	.678014	.694562	.705629	.727894	.736349	.754012
	60	.635382	.656162	.673014	.687380	.703765	.714712	.736710	.745054	.762469
	61	.645131	.665763	.682474	.696705	.712919	.723742	.745464	.753694	.770852
	62	.654863	.675336	.691899	.705990	.722026	.732720	.754155	.762268	.779162
	63	.664577	.684883	.701290	.715233	.731084	.741644	.762784	.770775	.787397
	64	.674273	.694401	.710645	.724433	.740092	.750513	.771348	.779213	.795556
	65	.683950	.703891	.719963	.733592	.749050	.759327	.779846	.787583	.803639
	66	.693607	.713353	.729246	.742706	.757957	.768085	.788278	.795882	.811643
	67	.703246	.722785	.738490	.751776	.766812	.776785	.796642	.804109	.819568
	68	.712865	.732187	.747697	.760801	.775613	.785426	.804937	.812263	.827411
	69	.722463	.741558	.756864	.769780	.784360	.794008	.813161	.820343	.835172
	70	.732041	.750898	.765991	.778711	.793051	.802528	.821313	.828345	.842847
	71	.741597	.760206	.775077	.787594	.801684	.810985	.829390	.836270	.850435
	72	.751132	.769480	.784120	.796426	.810259	.819378	.837391	.844113	.857933
	73	.760644	.778721	.793120	.805206	.818772	.827703	.845314	.851873	.865339
	74	.770132	.787925	.802075	.813934	.827223	.835960	.853155	.859548	.872650
	75	.779596	.797094	.810983	.822606	.835610	.844145	.860912	.867134	.879863
	76	.789036	.806224	.819843	.831220	.843929	.852256	.868582	.874628	.886974
	77	.798449	.815315	.828652	.839775	.852177	.860291	.876162	.882027	.893980
	78	.807835	.824364	.837409	.848268	.860353	.868245	.883647	.889326	.900876
	79	.817192	.833371	.846111	.856696	.868453	.876116	.891034	.896521	.907657
	80	.826519	.842332	.854755	.865056	.876473	.883899	.898319	.903608	.914318

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
100	81	.835815	.851245	.863339	.873344	.884408	.891589	.905494	.910581	.920854
	82	.845078	.860108	.871858	.881557	.892255	.899183	.912556	.917434	.927257
	83	.854305	.868918	.880309	.889689	.900007	.906673	.919497	.924160	.933520
	84	.863494	.877671	.888688	.897735	.907660	.914053	.926310	.930750	.939634
	85	.872643	.886362	.896989	.905690	.915205	.921315	.932986	.937196	.945591
	86	.881748	.894987	.905206	.913546	.922634	.928452	.939514	.943488	.951378
	87	.890806	.903541	.913332	.921295	.929939	.935451	.945883	.949612	.956983
	88	.899812	.912017	.921360	.928927	.937107	.942303	.952081	.955556	.962391
	89	.908761	.920407	.929278	.936431	.944126	.948991	.958089	.961302	.967584
	90	.917646	.928702	.937075	.943793	.950980	.955498	.963889	.966831	.972542
	91	.926460	.936889	.944737	.950995	.957648	.961804	.969458	.972118	.977239
	92	.935192	.944953	.952243	.958016	.964106	.967882	.974766	.977133	.981646
	93	.943830	.952876	.959571	.964828	.970323	.973699	.979777	.981840	.985725
	94	.952355	.960631	.966688	.971395	.976257	.979210	.984445	.986192	.989431
	95	.960744	.968183	.973550	.977665	.981853	.984357	.988707	.990127	.992705
	96	.968961	.975480	.980094	.983568	.987031	.989060	.992483	.993566	.995474
	97	.976950	.982441	.986223	.988995	.991676	.993198	.995658	.996400	.997649
	98	.984613	.988929	.991774	.993770	.995605	.996593	.998077	.998489	.999130
	99	.991749	.994669	.996435	.997569	.998508	.998960	.999544	.999679	.999857
	100	.997771	.998947	.999487	.999747	.999899	.999950	.999990	.999995	.999999
110	55	.535454	.556242	.573299	.587989	.604920	.616343	.639582	.648504	.667323
	60	.580445	.600911	.617626	.631963	.648421	.659483	.681887	.690450	.708444
	65	.625104	.645076	.661308	.675172	.691020	.701632	.723017	.731153	.748178
	70	.669418	.688719	.704322	.717591	.732688	.742754	.762931	.770569	.786477
	75	.713366	.731805	.746627	.759168	.773364	.782784	.801554	.808618	.823255
	80	.756910	.774280	.788151	.799820	.812951	.821617	.838762	.845170	.858367
	85	.799995	.816060	.828788	.839421	.851301	.859089	.874364	.880025	.891594
	90	.842530	.857007	.868363	.877767	.888176	.894940	.908058	.912865	.922589
	95	.884362	.896892	.906586	.914514	.923176	.928734	.939340	.943163	.950780
	100	.925200	.935277	.942902	.949014	.955549	.959655	.967276	.969946	.975127
	105	.964331	.971100	.975982	.979722	.983527	.985803	.989753	.991042	.993382
	110	.997973	.999043	.999534	.999770	.999909	.999954	.999991	.999995	.999999
120	60	.534138	.554055	.570406	.584496	.600747	.611719	.634065	.642654	.660793
	65	.575420	.595068	.611133	.624927	.640781	.651451	.673095	.681382	.698824
	70	.616435	.635677	.651342	.664744	.680091	.690384	.711177	.719106	.735735
	75	.657175	.675867	.691017	.703928	.718654	.728496	.748285	.755798	.771494
	80	.697624	.715618	.730130	.742446	.756432	.765742	.784367	.791405	.806043
	85	.737760	.754894	.768636	.780244	.793361	.802054	.819344	.825841	.839286
	90	.777548	.793640	.806467	.817241	.829348	.837328	.853094	.858979	.871086
	95	.816933	.831778	.843521	.853319	.864252	.871411	.885437	.890630	.901232
	100	.855832	.869180	.879636	.888286	.897850	.904060	.916091	.920497	.929401
	105	.894105	.905636	.914546	.921827	.929776	.934873	.944592	.948093	.955065
	110	.931485	.940742	.947741	.953348	.959339	.963102	.970081	.972526	.977267
	115	.967318	.973528	.978004	.981432	.984919	.987003	.990621	.991801	.993943
	120	.998142	.999122	.999573	.999789	.999916	.999958	.999992	.999996	.999999
130	65	.532963	.552110	.567836	.581393	.597040	.607610	.629160	.637451	.654976
	70	.571100	.590070	.605503	.618809	.634118	.644431	.665381	.673415	.690345
	75	.609019	.627598	.642745	.655722	.670603	.680598	.700826	.708555	.724794
	80	.646714	.664837	.679554	.692119	.706479	.716094	.735475	.742853	.758301
	85	.684174	.701720	.715907	.727977	.741719	.750889	.769293	.776270	.790825
	90	.721384	.738223	.751776	.763260	.776281	.784937	.802226	.808749	.822302
	95	.758321	.774312	.787116	.797915	.810103	.818170	.834193	.840207	.852639
	100	.794951	.809936	.821861	.831866	.843095	.850489	.865079	.870520	.881702
	105	.831224	.845018	.855915	.864998	.875123	.881748	.894713	.899508	.909293
	110	.867061	.879442	.889129	.897136	.905982	.911721	.922832	.926898	.935110

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
130	115	.902334	.913011	.921255	.927987	.935331	.940038	.949007	.952236	.958663
	120	.916795	.945355	.951823	.957002	.962533	.966005	.972443	.974697	.979068
	125	.959843	.975579	.979712	.982877	.986094	.988017	.991354	.992442	.994417
	130	.998285	.999190	.999606	.999805	.999923	.999961	.999992	.999996	.999999
	140	.931905	.950365	.965532	.978613	.993718	.903929	.624760	.632782	.645752
140	75	.567342	.585607	.600566	.613431	.628246	.638234	.658549	.666348	.682804
	80	.602598	.620574	.635247	.647831	.662280	.671996	.691691	.699229	.715090
	85	.637669	.655260	.669569	.681804	.695809	.705202	.724173	.731410	.746592
	90	.672544	.689654	.703517	.715333	.728816	.737830	.755970	.762865	.777283
	95	.707220	.723738	.737070	.748394	.761269	.769849	.787044	.793553	.807118
140	100	.741675	.757489	.770197	.780950	.793126	.801211	.817339	.823417	.836032
	105	.775887	.790874	.802855	.812949	.824328	.831851	.846779	.852375	.863935
	110	.809926	.823842	.834982	.844319	.854787	.861674	.875251	.880309	.890698
	115	.843443	.856324	.866488	.874952	.884380	.890544	.902597	.907051	.916135
	120	.876666	.888210	.897233	.904685	.912914	.918248	.928570	.932343	.939563
140	125	.909375	.919317	.926987	.933246	.940071	.944443	.952769	.955766	.961728
	130	.941341	.949302	.955314	.960125	.965262	.968485	.974460	.974651	.980604
	135	.972006	.977335	.981174	.984112	.987099	.988884	.991980	.992990	.994827
	140	.978407	.999248	.999634	.999819	.999928	.999964	.999993	.999996	.999999
	150	.530945	.548787	.563451	.576103	.590719	.600604	.620785	.628561	.645026
150	80	.564039	.581712	.596195	.608660	.623023	.632715	.652446	.660028	.676044
	85	.596981	.614406	.628643	.640865	.654912	.664368	.683561	.690917	.706415
	90	.629767	.646864	.660789	.672712	.686377	.695554	.714122	.721217	.736127
	95	.662392	.679077	.692623	.704188	.717405	.726257	.744110	.750910	.765159
	100	.694848	.711035	.724129	.735275	.747974	.756455	.773497	.779966	.793480
150	105	.727125	.742720	.755287	.765948	.778054	.786113	.802244	.808344	.821042
	110	.759206	.774108	.786065	.796171	.807603	.815187	.830298	.835987	.847784
	115	.791070	.805167	.816422	.825895	.836564	.843612	.857583	.862815	.873617
	120	.822697	.835850	.846300	.855951	.864855	.871300	.883994	.888719	.898419
	125	.854012	.866091	.875614	.883538	.892357	.898120	.909380	.913539	.922015
150	130	.884977	.895788	.904232	.911202	.918892	.923876	.933512	.937033	.944141
	135	.915469	.924770	.931940	.937789	.944164	.948245	.956015	.958810	.964369
	140	.945276	.952717	.958333	.962825	.967620	.970628	.976201	.978151	.981931
	145	.973879	.978856	.982439	.985181	.987968	.989634	.992522	.993464	.995172
	150	.998513	.999298	.999658	.999831	.999933	.999967	.999993	.999997	.999999
160	80	.530069	.547351	.561559	.573822	.587994	.597582	.617169	.624722	.640723
	85	.561111	.578245	.592295	.604393	.618343	.627762	.646953	.654335	.669941
	90	.592072	.608942	.622778	.634665	.648339	.657551	.676273	.683456	.698607
	95	.622902	.639439	.653005	.664632	.677974	.686944	.705120	.712076	.726713
	100	.653446	.669729	.682967	.694285	.707240	.715928	.733482	.740181	.754247
160	105	.683948	.699804	.712655	.723612	.736119	.744486	.761339	.767750	.781171
	110	.714300	.729651	.742051	.752593	.764591	.772595	.788661	.794752	.807466
	115	.744491	.759254	.771136	.781204	.792625	.800222	.815410	.821147	.833087
	120	.774506	.788590	.799878	.809409	.820181	.827321	.841533	.846879	.857958
	125	.804324	.817628	.828239	.837162	.847203	.853832	.866960	.871873	.882009
160	130	.833917	.846323	.856164	.864397	.873614	.879670	.891589	.896023	.905119
	135	.863243	.874614	.883571	.891019	.899304	.904714	.915279	.919179	.927124
	140	.892737	.902403	.910338	.916884	.924102	.928778	.937814	.941115	.947774
	145	.920795	.929532	.936264	.941753	.947733	.951560	.958842	.961461	.966669
	150	.948717	.955701	.960970	.965183	.969678	.972498	.977720	.979547	.983087
160	155	.975517	.980185	.983545	.986116	.988728	.990289	.992995	.993878	.995478
	160	.998606	.999342	.999679	.999842	.999937	.999969	.999994	.999997	.999999
170	85	.529266	.546038	.559830	.571737	.585502	.594819	.613863	.621210	.636784
	90	.558494	.575136	.588788	.600550	.614119	.623286	.641979	.649175	.664398
	95	.587611	.604065	.617530	.629106	.642432	.651418	.669696	.676716	.691538
	100	.616615	.632822	.646051	.657400	.670436	.679208	.697007	.703827	.718195
	105	.645602	.661403	.674347	.685426	.698123	.706649	.723903	.730497	.744358

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
170	110	.674269	.689801	.702409	.713175	.725482	.733728	.750367	.756710	.770010
	115	.702909	.718006	.730225	.740631	.752496	.760426	.776380	.782443	.795124
	120	.731415	.746007	.757779	.767777	.779144	.786720	.801912	.807667	.819669
	125	.759775	.773787	.785051	.794587	.805395	.812578	.826925	.832341	.843598
	130	.787975	.801324	.812012	.821029	.831211	.837955	.851369	.856411	.866852
	135	.815995	.828589	.838625	.847057	.856539	.862795	.875175	.879806	.889353
	140	.843808	.855539	.864836	.872609	.881306	.887017	.898249	.902425	.910989
	145	.871375	.882116	.890570	.897596	.905407	.910505	.920456	.924128	.931604
	150	.898635	.908229	.915712	.921882	.928683	.933087	.941593	.944699	.950963
	155	.925490	.933728	.940072	.945242	.950872	.954475	.961328	.963792	.968690
	160	.951751	.958331	.963292	.967259	.971490	.974144	.979057	.980775	.984104
	165	.976962	.981357	.984520	.986939	.989397	.990866	.993412	.994242	.995748
	170	.998688	.999380	.999698	.999851	.999941	.999971	.999994	.999997	.999999
180	90	.528525	.544829	.558240	.569821	.583213	.592281	.610823	.617980	.633160
	95	.556141	.572329	.585616	.597067	.610285	.619219	.637448	.644470	.659337
	100	.583659	.599682	.612803	.624090	.637092	.645865	.663726	.670592	.685101
	105	.611080	.626887	.639800	.650887	.663632	.672216	.689653	.696341	.710447
	110	.638400	.653939	.666602	.677452	.689899	.698266	.715270	.721709	.735366
	115	.665617	.680833	.693203	.703778	.715883	.724004	.740417	.746684	.759844
	120	.692726	.707564	.719594	.729855	.741573	.749416	.765227	.771247	.783862
	125	.719720	.734121	.745763	.755668	.766951	.774485	.789628	.795378	.807395
	130	.746592	.760493	.771694	.781199	.791995	.799187	.813593	.819046	.830410
	135	.773332	.786662	.797368	.806424	.816679	.823490	.837084	.842211	.852862
	140	.799924	.812610	.822756	.831310	.840963	.847353	.860052	.864823	.874696
	145	.826351	.838306	.847824	.855816	.864798	.870720	.882433	.886812	.895834
	150	.852587	.863711	.872521	.879882	.888114	.893517	.904137	.908084	.916173
	155	.878594	.888770	.896775	.903424	.910812	.915632	.925036	.928505	.935564
	160	.904316	.913397	.920477	.926312	.932742	.936903	.944938	.947871	.953785
190	165	.929659	.937451	.943449	.948337	.953656	.957060	.963531	.965857	.970479
	170	.954446	.960666	.965354	.969102	.973098	.975604	.980242	.981864	.985006
	175	.978246	.982398	.985386	.987671	.989992	.991378	.993782	.994566	.995587
	180	.998761	.999415	.999715	.999859	.999944	.999972	.999994	.999997	.999999
	95	.527839	.543713	.556773	.568052	.581101	.589937	.608016	.614998	.629811
	100	.554010	.569781	.582729	.593893	.606785	.615502	.633299	.640160	.654692
	105	.580097	.595720	.608521	.619538	.632238	.640811	.658279	.665000	.679211
	110	.606098	.621530	.634147	.644986	.657458	.665863	.682953	.689514	.703366
	115	.632011	.647207	.659603	.670233	.682439	.690652	.707313	.713697	.727148
	120	.657835	.672748	.684885	.695272	.707176	.715170	.731351	.737537	.750547
	125	.683566	.698147	.709985	.720096	.731658	.739407	.755055	.761023	.773547
	130	.709198	.723397	.734895	.744693	.755872	.763349	.778407	.784136	.796131
	135	.734727	.748489	.759603	.769050	.779803	.786979	.801388	.806854	.818272
	140	.760144	.773412	.784093	.793149	.803429	.810271	.823968	.829148	.839938
	145	.785438	.798148	.808346	.816967	.826723	.833198	.846112	.850980	.861087
	150	.810597	.822680	.832337	.840473	.849648	.855718	.867775	.872301	.881664
200	155	.835603	.846979	.856030	.863625	.872156	.877779	.888892	.893044	.901597
	160	.860431	.871008	.879378	.886369	.894183	.899309	.909380	.913121	.920786
	165	.885046	.894713	.902313	.908624	.915632	.920203	.929117	.932404	.939091
	170	.909394	.918015	.924733	.930267	.936363	.940308	.947921	.950699	.956300
	175	.933386	.940778	.946467	.951100	.956142	.959366	.965496	.967699	.972075
	180	.956856	.962753	.967197	.970748	.974534	.976907	.981301	.982836	.985811
	185	.979394	.983329	.986160	.988325	.990523	.991836	.994113	.994855	.996200
	190	.998826	.999446	.999730	.999867	.999947	.999974	.999995	.999997	.999999
	100	.527202	.542678	.555412	.566413	.579142	.587766	.605414	.612232	.626704
	105	.552072	.567455	.580089	.590986	.603574	.612089	.629484	.636192	.650411
	110	.576868	.592119	.604621	.615387	.627802	.636188	.653287	.659869	.673799
	115	.601588	.616670	.629008	.639614	.651826	.660061	.676820	.683260	.696866
	120	.626232	.641104	.653246	.663665	.675640	.683703	.700078	.706359	.719606

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
200	125	.650798	.665419	.677331	.687535	.699240	.707108	.723055	.729159	.742010
	130	.675282	.689610	.701258	.711216	.722618	.730269	.745740	.751649	.764067
	135	.699682	.713673	.725020	.734702	.745765	.753173	.768120	.773816	.785761
	140	.723992	.737599	.748608	.757981	.768666	.775808	.790179	.795643	.807074
	145	.748206	.761381	.772010	.781039	.791308	.798156	.811897	.817106	.827981
	150	.772317	.785006	.795212	.803859	.813668	.820193	.833245	.838178	.848449
	155	.796316	.808459	.818195	.826419	.835721	.841891	.854190	.858823	.868438
	160	.820188	.831722	.840933	.848689	.857431	.863212	.874688	.878993	.887897
	165	.843918	.854768	.863395	.870631	.878754	.884105	.894677	.898626	.906755
	170	.867482	.877562	.885535	.892191	.899626	.904502	.914079	.917635	.924918
	175	.890846	.900053	.907287	.913297	.919958	.924304	.932777	.935899	.942251
	180	.913959	.922165	.928556	.933819	.939614	.943363	.950597	.953236	.958554
	185	.936738	.943770	.949178	.953582	.958374	.961438	.967260	.969352	.973508
	190	.959023	.964629	.968853	.972228	.975825	.978079	.982251	.983710	.986534
	195	.980428	.984167	.986856	.988913	.991001	.992248	.994410	.995115	.996392
	200	.998885	.999473	.999744	.999873	.999950	.999975	.999995	.999997	.999999
210	105	.526608	.541714	.554146	.564888	.577321	.585745	.602992	.609657	.623811
	110	.550300	.565322	.577664	.588312	.600616	.608942	.625960	.632526	.646449
	115	.573926	.588831	.601053	.611583	.623732	.631941	.648691	.655143	.668805
	120	.597486	.612238	.624314	.634701	.646666	.654740	.671183	.677506	.690876
	125	.620979	.635543	.647443	.657662	.669416	.677334	.693432	.699612	.712657
	130	.644402	.658744	.670438	.680464	.691976	.699721	.715433	.721454	.734143
	135	.667754	.681835	.693294	.703102	.714342	.721892	.737178	.743024	.755324
	140	.691032	.704814	.716006	.725567	.736505	.743839	.758656	.764311	.776187
	145	.714233	.727675	.738567	.747853	.758456	.765552	.779855	.785302	.796718
	150	.737350	.750411	.760967	.769949	.780181	.787016	.800758	.805979	.816897
	155	.760380	.773013	.783196	.791841	.801666	.808215	.821345	.826321	.836701
	160	.783314	.795469	.805240	.813512	.822890	.829126	.841591	.846299	.856097
	165	.806143	.817766	.827079	.834941	.843828	.849721	.861460	.865880	.875049
	170	.828854	.839885	.848690	.856100	.864447	.869965	.880912	.885018	.893505
	175	.851432	.861802	.870043	.876951	.884703	.889808	.899889	.903652	.911398
	180	.873854	.883482	.891093	.897444	.904537	.909186	.918314	.921702	.928639
	185	.896089	.904877	.911779	.917506	.923861	.928004	.936076	.939050	.945099
	190	.918097	.925914	.932009	.937026	.942549	.946121	.953012	.955525	.960588
	195	.939769	.946473	.951628	.955825	.960390	.963308	.968853	.970844	.974800
	200	.960983	.966326	.970350	.973565	.976991	.979137	.983110	.984498	.987187
	205	.981362	.984924	.987486	.989444	.991433	.992620	.994679	.995350	.996566
	210	.998938	.999498	.999756	.999879	.999952	.999976	.999995	.999998	1.000000
220	110	.526051	.540813	.552964	.563465	.575621	.583859	.600731	.607254	.621109
	115	.548672	.563358	.575426	.585842	.597881	.606030	.622692	.629125	.642770
	120	.571235	.585814	.597775	.608083	.619981	.628024	.644443	.650772	.664179
	125	.593738	.608180	.620008	.630187	.641919	.649839	.665981	.672193	.685335
	130	.616181	.630455	.642125	.652153	.663694	.671474	.687304	.693386	.706234
	135	.638563	.652637	.664123	.673977	.685301	.692924	.708406	.714344	.726870
	140	.660883	.674724	.685998	.695656	.706735	.714183	.729281	.735061	.747235
	145	.683136	.696711	.707747	.717184	.727992	.735246	.749921	.755530	.767321
	150	.705322	.718594	.729362	.738554	.749062	.756102	.770317	.775738	.787116
	155	.727436	.740369	.750838	.759758	.769935	.776742	.790454	.795672	.806603
	160	.749474	.762027	.772166	.780786	.790601	.797153	.810318	.815316	.825764
	165	.771429	.783561	.793334	.801625	.811042	.817316	.829888	.834648	.844576
	170	.793296	.804960	.814329	.822258	.831241	.837211	.849138	.853642	.863009
	175	.815064	.826210	.835134	.842664	.851172	.856811	.868039	.872264	.881025
	180	.836723	.847293	.855725	.862818	.870804	.876081	.886547	.890470	.898577
	185	.858256	.868186	.876073	.882682	.890096	.894976	.904609	.908203	.915600
	190	.879642	.888855	.896136	.902209	.908988	.913431	.922151	.925386	.932008
	195	.900851	.909257	.915856	.921329	.927402	.931359	.939067	.941906	.947679
	200	.921837	.929319	.935143	.939937	.945212	.948623	.955201	.957599	.962431
	205	.942522	.948929	.953853	.957861	.962219	.965005	.970298	.972198	.975973

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
220	210	.962764	.967867	.971710	.974779	.978049	.980098	.983889	.985214	.987780
	215	.982211	.985612	.988058	.989927	.991825	.992958	.994923	.995563	.996724
	220	.998986	.999521	.999767	.999885	.999954	.999977	.999995	.999998	1.000000
230	115	.525529	.539970	.551857	.562132	.574029	.582093	.598613	.605002	.618577
	120	.547172	.561543	.573355	.583552	.595342	.603324	.619653	.625959	.639342
	125	.568762	.583036	.594751	.604850	.616511	.624397	.640504	.646716	.659881
	130	.590299	.604449	.616043	.626025	.637536	.645310	.661165	.667270	.680193
	135	.611782	.625781	.637232	.647077	.658415	.666062	.681633	.687619	.700275
	140	.633211	.647030	.658315	.668003	.679144	.686649	.701904	.707760	.720123
	145	.654584	.668193	.679288	.688799	.699720	.707066	.721973	.727687	.739730
	150	.675899	.689269	.700149	.709462	.720137	.727309	.741835	.747392	.759089
	155	.697154	.710253	.720893	.729985	.740390	.747370	.761479	.766868	.778190
	160	.718346	.731142	.741514	.750363	.760471	.767240	.780897	.786102	.797021
	165	.739471	.751929	.762006	.770586	.780370	.786910	.800076	.805083	.815567
	170	.760526	.772609	.782360	.790646	.800074	.806365	.818999	.823793	.833809
	175	.781503	.793172	.802564	.810528	.819570	.825590	.837648	.842212	.851725
	180	.802398	.813608	.822607	.830218	.838838	.844564	.855998	.860314	.869285
	185	.823200	.833905	.842471	.849696	.857855	.863261	.874019	.878066	.886455
	190	.843899	.854045	.862134	.868936	.876591	.881648	.891672	.895428	.903187
	195	.864480	.874005	.881568	.887903	.895005	.899680	.908903	.912343	.919421
	200	.884921	.893755	.900732	.906551	.913043	.917297	.925643	.928738	.935073
	205	.905196	.913251	.919572	.924813	.930627	.934414	.941790	.944506	.950028
	210	.925258	.932425	.938002	.942590	.947639	.950903	.957195	.959489	.964110
	215	.945035	.951168	.955882	.959717	.963887	.966553	.971614	.973431	.977041
	220	.964390	.969274	.972951	.975887	.979015	.980975	.984600	.985867	.988320
	225	.982987	.986240	.988579	.990368	.992183	.993267	.995145	.995758	.996867
	230	.999030	.999542	.999777	.999890	.999956	.999978	.999996	.999998	1.000000
240	120	.525038	.539177	.550818	.560881	.572534	.580435	.596625	.602888	.616199
	125	.545783	.559858	.571430	.581421	.592977	.600803	.616817	.623004	.636138
	130	.566481	.580468	.591951	.601853	.613291	.621028	.636839	.642939	.655874
	135	.587131	.601006	.612379	.622174	.633475	.641110	.656690	.662693	.675406
	140	.607733	.621470	.632714	.642385	.653527	.661047	.676368	.682263	.694732
	145	.628287	.641861	.652953	.662482	.673446	.680836	.695870	.701646	.713847
	150	.648790	.662175	.673095	.682464	.693227	.700474	.715191	.720837	.732747
	155	.669242	.682411	.693137	.702326	.712868	.719955	.734326	.739830	.751425
	160	.689640	.702565	.713075	.722064	.732362	.739275	.753269	.758619	.769874
	165	.709982	.722635	.732904	.741674	.751703	.758427	.772011	.777195	.788083
	170	.730266	.742616	.752619	.761147	.770884	.777401	.790541	.795547	.806041
	175	.750488	.762502	.772213	.780478	.789896	.796188	.808849	.813662	.823733
	180	.770643	.782287	.791678	.799654	.808725	.814775	.826918	.831523	.841141
	185	.790726	.801964	.811004	.818665	.827359	.833146	.844729	.849111	.858243
	190	.810731	.821521	.830177	.837495	.845779	.851280	.862260	.866402	.875011
	195	.830650	.840947	.849182	.856125	.863963	.869154	.879480	.883363	.891410
	200	.850471	.860224	.867997	.874530	.881881	.886735	.896353	.899956	.907396
	205	.870180	.879332	.886596	.892678	.899495	.903980	.912827	.916126	.922911
	210	.889757	.898241	.904939	.910523	.916752	.920832	.928835	.931802	.937874
	215	.909175	.916908	.922974	.928002	.933578	.937210	.944280	.946883	.952174
	220	.928392	.935269	.940619	.945019	.949860	.952989	.959020	.961218	.965644
	225	.947338	.953220	.957740	.961417	.965414	.967969	.972819	.974560	.978018
	230	.965880	.970562	.974087	.976901	.979899	.981777	.985251	.986464	.988814
	235	.983697	.986816	.989058	.990771	.992511	.993549	.995349	.995936	.996999
240	.999071	.999561	.999786	.999895	.999958	.999979	.999996	.999998	1.000000	
250	125	.524575	.538430	.549839	.559703	.571127	.578874	.594753	.600897	.613958
	130	.544494	.558291	.569636	.579434	.590768	.598446	.614163	.620236	.633135
	135	.564370	.578087	.589350	.599066	.610293	.617890	.633419	.639413	.652128
	140	.584204	.597817	.608981	.618599	.629700	.637203	.652521	.658426	.670937
	145	.603994	.617482	.628528	.638032	.648988	.656386	.671467	.677273	.689560

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
250	150	.623740	.637080	.647988	.657364	.668156	.675436	.690254	.695951	.707993
	155	.643441	.656610	.667362	.676590	.687201	.694349	.708878	.714456	.726232
	160	.663096	.676069	.686645	.695710	.706120	.713123	.727336	.732785	.744273
	165	.682703	.695456	.705835	.714720	.724907	.731752	.745621	.750930	.762108
	170	.702260	.714767	.724928	.733614	.743558	.750231	.763728	.768885	.779729
	175	.721766	.733999	.743921	.752389	.762068	.768553	.781647	.786642	.797127
	180	.741216	.753148	.762807	.771036	.780427	.786710	.799369	.804189	.814291
	185	.760609	.772209	.781579	.789549	.798627	.804690	.816882	.821514	.831205
	190	.779939	.791174	.800230	.807918	.816657	.822483	.834171	.838602	.847852
	195	.799201	.810038	.818750	.826131	.834503	.840072	.851217	.855432	.864211
	200	.818390	.828789	.837127	.844173	.852147	.857439	.867999	.871981	.880254
	205	.837497	.847415	.855344	.862027	.869567	.874559	.884487	.888219	.895550
	210	.856511	.865902	.873382	.879667	.886736	.891402	.900646	.904107	.911254
	215	.875419	.884227	.891214	.897063	.903616	.907927	.916426	.919595	.926110
	220	.894203	.902363	.908803	.914171	.920157	.924077	.931764	.934613	.940443
	225	.912835	.920269	.926099	.930931	.936288	.939776	.946566	.949065	.954144
	230	.931274	.937884	.943024	.947251	.951900	.954905	.960695	.962805	.967053
	235	.949455	.955106	.959448	.962979	.966817	.969270	.973926	.975597	.978915
	240	.967250	.971747	.975132	.977834	.980712	.982514	.985849	.987013	.989268
	245	.984351	.987345	.989498	.991143	.992812	.993809	.995537	.996100	.997120
	250	.999108	.999579	.999795	.999899	.999960	.999980	.999996	.999998	1.000000
260	130	.524137	.537726	.548916	.558592	.569800	.577402	.592986	.599018	.611843
	135	.543293	.556828	.567959	.577574	.588700	.596238	.611672	.617639	.630314
	140	.562411	.575871	.586928	.596468	.607493	.614957	.630219	.636112	.648618
	145	.581489	.594856	.605821	.615271	.626181	.633558	.648626	.654436	.666755
	150	.600529	.613781	.624637	.633984	.644761	.652041	.666891	.672611	.684722
	155	.619528	.632645	.643377	.652604	.663232	.670404	.685012	.690632	.702518
	160	.638487	.651448	.662037	.671130	.681592	.688643	.702987	.708498	.720140
	165	.657405	.670188	.680616	.689561	.699838	.706757	.720811	.726204	.737581
	170	.676279	.688862	.699111	.707891	.717966	.724741	.738481	.743745	.754838
	175	.695109	.707468	.717520	.726119	.735973	.742590	.755990	.761116	.771904
	180	.713893	.726005	.735839	.744240	.753852	.760299	.773332	.778310	.788770
	185	.732627	.744467	.754062	.762248	.771599	.777861	.790499	.795317	.805428
	190	.751311	.762851	.772186	.780137	.789204	.795268	.807481	.812128	.821864
	195	.769940	.781152	.790204	.797899	.806660	.812510	.824265	.828730	.838066
	200	.788510	.799363	.808107	.815526	.823956	.829574	.840839	.845108	.854017
	205	.807016	.817478	.825886	.833005	.841077	.846446	.857184	.861243	.869695
	210	.825452	.835487	.843529	.850323	.858008	.863107	.873278	.877112	.885075
	215	.843811	.853378	.861022	.867467	.874727	.879535	.889094	.892686	.900125
	220	.862082	.871135	.878344	.884399	.891207	.895699	.904597	.907927	.914803
	225	.880252	.888740	.895470	.901103	.907412	.911561	.919740	.922788	.929055
	230	.898304	.906164	.912366	.917533	.923295	.927067	.934461	.937202	.942808
	235	.916210	.923369	.928981	.933631	.938785	.942141	.948672	.951075	.956558
	240	.933933	.940295	.945241	.949308	.953781	.956670	.962238	.964267	.968351
	245	.951408	.956846	.961023	.964420	.968111	.970469	.974946	.976552	.979742
	250	.968514	.972840	.976095	.978694	.981461	.983195	.986400	.987520	.989687
	255	.984954	.987834	.989903	.991485	.993091	.994049	.995710	.996251	.997232
	260	.999142	.999595	.999803	.999903	.999961	.999981	.999996	.999998	1.000000
270	135	.523723	.537059	.548043	.557541	.568545	.576009	.591315	.597240	.609843
	140	.542172	.555458	.566388	.575830	.586757	.594162	.609329	.615194	.627657
	145	.560586	.573805	.584665	.594037	.604873	.612209	.627217	.633014	.645319
	150	.578965	.592097	.602873	.612163	.622892	.630149	.644977	.650697	.662829
	155	.597309	.610336	.621012	.630207	.640813	.647981	.662608	.668244	.680186
	160	.615616	.628519	.639081	.648166	.658636	.665703	.680108	.685653	.697387
	165	.633887	.646647	.657078	.666041	.676357	.683314	.697476	.702920	.714429
	170	.652119	.664717	.675001	.683828	.693976	.700811	.714707	.720042	.731308
	175	.670313	.682729	.692850	.701526	.711488	.718191	.731799	.737016	.748020
	180	.688467	.700680	.710620	.719130	.728890	.735450	.748746	.753837	.764560

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
270	185	.706580	.718567	.728309	.736639	.746179	.752583	.765543	.770498	.780921
	190	.724649	.736388	.745914	.754047	.763349	.769584	.782183	.786992	.797095
	195	.742672	.754140	.763429	.771349	.780393	.786447	.798658	.803312	.813072
	200	.760647	.771818	.780851	.788540	.797305	.803164	.814959	.819446	.828842
	205	.778570	.789418	.798172	.805610	.814076	.819725	.831075	.835383	.844390
	210	.796438	.806934	.815385	.822553	.830695	.836119	.846990	.851109	.859700
	215	.814245	.824357	.832481	.839356	.847149	.852330	.862689	.866604	.874753
	220	.831986	.841681	.849447	.856006	.863422	.868342	.878150	.881846	.889522
	225	.849653	.858891	.866270	.872485	.879494	.884131	.893347	.896809	.903977
	230	.867237	.875976	.882932	.888772	.895338	.899669	.908245	.911455	.918078
	235	.884724	.892914	.899406	.904838	.910920	.914919	.922801	.925737	.931773
	240	.902098	.909680	.915660	.920642	.926195	.929830	.936953	.939593	.944991
	245	.919334	.926236	.931646	.936128	.941094	.944327	.950617	.952932	.957633
	250	.936394	.942526	.947293	.951211	.955520	.958303	.963665	.965618	.969551
	255	.953216	.958457	.962480	.965752	.969308	.971579	.975889	.977436	.980506
	260	.969684	.973852	.976987	.979490	.982155	.983824	.986910	.987988	.990074
	265	.985512	.988286	.990279	.991802	.993348	.994271	.995870	.996391	.997335
	270	.999174	.999610	.999810	.999906	.999963	.999981	.999996	.999998	1.000000
280	140	.523329	.536427	.547215	.556545	.567356	.574690	.589732	.595556	.607946
	145	.541122	.554174	.564911	.574189	.584929	.592208	.607121	.612889	.625149
	150	.558883	.571872	.582546	.591759	.602413	.609629	.624394	.630099	.642213
	155	.576612	.589521	.600117	.609254	.619810	.626952	.641550	.647185	.659138
	160	.594309	.607121	.617625	.626674	.637117	.644177	.658589	.664146	.675923
	165	.611972	.624671	.635069	.644018	.654335	.661302	.675509	.680981	.692566
	170	.629602	.642170	.652448	.661284	.671460	.678325	.692308	.697687	.709063
	175	.647198	.659617	.669760	.678471	.688491	.695245	.708983	.714261	.725414
	180	.664758	.677010	.687004	.695577	.705427	.712059	.725531	.730701	.741613
	185	.682283	.694349	.704178	.712599	.722263	.728763	.741949	.747002	.757655
	190	.699770	.711630	.721278	.729534	.738996	.745353	.758231	.763159	.773536
	195	.717217	.728852	.738302	.746378	.755623	.761825	.774372	.779167	.789249
	200	.734624	.746012	.755247	.763128	.772137	.778174	.790366	.795017	.804786
	205	.751988	.763106	.772108	.779778	.788533	.794392	.806204	.810703	.820137
	210	.769306	.780131	.788879	.796323	.804805	.810472	.821877	.826214	.835292
	215	.786576	.797082	.805556	.812754	.820942	.826405	.837375	.841538	.850237
	220	.803792	.813953	.822130	.829064	.836936	.842178	.852683	.856661	.864957
	225	.820951	.830736	.838593	.845241	.852773	.857779	.867785	.871565	.879432
	230	.838048	.847424	.854933	.861272	.868438	.873190	.882661	.886229	.893637
	235	.855073	.864005	.871137	.877141	.883910	.888389	.897285	.900626	.907543
290	145	.522955	.535826	.546429	.555600	.566227	.573438	.588229	.593957	.606145
	150	.540137	.552965	.563521	.572643	.583204	.590363	.605034	.610710	.622777
	155	.557289	.570059	.580554	.589618	.600100	.607200	.621733	.627350	.639282
	160	.574412	.587109	.597533	.606525	.616915	.623947	.638326	.643877	.655659
	165	.591506	.604113	.614453	.623363	.633649	.640604	.654810	.660290	.671908
	170	.608569	.621072	.631314	.640131	.650300	.657170	.671186	.676587	.688027
	175	.625602	.637984	.648115	.656829	.666868	.673643	.687452	.692766	.704013
	180	.642603	.654848	.664856	.673454	.683349	.690022	.703604	.708826	.719865
	185	.659572	.671664	.681534	.690005	.699744	.706304	.719641	.724763	.735579
	190	.676509	.688430	.698149	.706480	.716048	.722486	.735559	.740573	.751151
	195	.693446	.705167	.714786	.723934	.734349	.741579	.754386	.759249	.770498
	200	.710383	.721904	.731423	.740401	.750580	.757679	.770249	.775062	.786191
	205	.727320	.738641	.748060	.756899	.766918	.773897	.786326	.791099	.801988
	210	.744257	.755378	.764797	.773506	.783365	.790244	.802543	.807286	.817945
	215	.761194	.772115	.781434	.790013	.800692	.807551	.819710	.824423	.834942
	220	.778131	.788852	.798071	.806510	.816949	.823708	.835727	.840420	.850799
	225	.795068	.805589	.814708	.823017	.834296	.840955	.852824	.857497	.867716
	230	.812005	.822326	.831345	.839614	.850753	.857312	.869041	.873684	.883763
	235	.828942	.839063	.847982	.856211	.867190	.873649	.885328	.890001	.900000
	240	.845879	.855800	.864619	.872818	.883557	.890016	.901545	.906218	.915617
	245	.862816	.872537	.881256	.889335	.899754	.906213	.917642	.922315	.931514
	250	.879753	.889274	.897893	.905812	.916991	.923450	.934779	.939452	.948551
	255	.896690	.906111	.914630	.922409	.933488	.940047	.951276	.955949	.964948
	260	.913627	.922948	.931367	.939046	.949925	.956484	.967613	.972286	.980185
	265	.930564	.939785	.948104	.955623	.966402	.972061	.983090	.987763	.995662
	270	.947501	.956622	.964941	.972460	.983139	.988808	.999837	.999998	1.000000
	275	.964438	.973459	.981778	.989297	.999976	.999998	.999999	.999999	1.000000
	280	.981375	.989996	.998315	.999934	.999998	.999999	.999999	.999999	1.000000
	285	.998312	.999933	.999997	.999999	.999999	.999999	.999999	.999999	1.000000
	290	.999999	.999999	.999999	.999999	.999999	.999999	.999999	.999999	1.000000

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
290	195	.693412	.705145	.714697	.722876	.732259	.738566	.751355	.756253	.766576
	200	.710279	.721806	.731176	.739191	.748373	.754538	.767023	.771798	.781849
	205	.727109	.738410	.747584	.755420	.764386	.770400	.782558	.787202	.796964
	210	.743901	.754957	.763917	.771560	.780294	.786144	.797954	.802458	.811912
	215	.760653	.771441	.780170	.787606	.796090	.801766	.813202	.817557	.826685
	220	.777360	.787859	.796339	.803552	.811768	.817256	.828295	.832491	.841272
	225	.794022	.804207	.812418	.819390	.827318	.832606	.843221	.847247	.856660
	230	.810633	.820479	.828399	.835113	.842732	.847805	.857966	.861813	.869833
	235	.827190	.836668	.844275	.850709	.857997	.862840	.872516	.876170	.883773
	240	.843687	.852766	.860033	.866166	.873097	.877693	.886849	.890298	.897456
	245	.860117	.868761	.875661	.881469	.888015	.892344	.900942	.904171	.910853
	250	.876470	.884641	.891141	.896596	.902775	.906766	.914764	.917755	.923927
	255	.892736	.900388	.906450	.911520	.917195	.920925	.928271	.931007	.936629
	260	.908897	.915977	.921558	.926205	.931383	.934771	.941409	.943868	.948894
	265	.924931	.931372	.936419	.940597	.945226	.948238	.954097	.956252	.960629
	270	.940904	.946523	.950966	.954619	.958632	.961225	.966218	.968036	.971696
	275	.956457	.961341	.965091	.968139	.971450	.973565	.977577	.979017	.981874
	280	.971782	.975664	.978585	.980915	.983397	.984950	.987823	.988826	.990768
	285	.986513	.989096	.990952	.992370	.993809	.994668	.996157	.996641	.997520
	290	.999231	.999637	.999823	.999913	.999965	.999983	.999997	.999998	1.000000
300	150	.522599	.535255	.545682	.554701	.565154	.572247	.586799	.592436	.604431
	155	.539210	.551826	.562209	.571183	.581573	.588619	.603059	.608647	.620529
	160	.555794	.568356	.578684	.587602	.597919	.604909	.619221	.624754	.636510
	165	.572351	.584845	.595106	.603959	.614191	.621117	.635285	.640757	.652373
	170	.588881	.601293	.611475	.620252	.630387	.637242	.651250	.656655	.668119
	175	.605384	.617699	.627791	.636481	.646508	.653284	.667115	.672447	.683745
	180	.621858	.634062	.644051	.652646	.662552	.669241	.682879	.688131	.699250
	185	.638304	.650381	.660256	.668744	.678518	.685111	.698540	.703706	.714632
	190	.654720	.666656	.676404	.684775	.694404	.700893	.714095	.719168	.729887
	195	.671107	.682886	.692494	.700736	.710207	.716584	.729542	.734515	.745013
	200	.687462	.699069	.708524	.716626	.725926	.732182	.744876	.749743	.760005
	205	.703786	.715203	.724491	.732442	.741557	.747682	.760096	.764849	.774860
	210	.720076	.731286	.740394	.748180	.757097	.763082	.775195	.779826	.789571
	215	.736332	.747317	.756229	.763838	.772541	.778376	.790168	.794671	.804132
	220	.752551	.763292	.771992	.779412	.787886	.793560	.805010	.809375	.818535
	225	.768731	.779208	.787681	.794896	.803124	.808627	.819712	.823931	.832772
	230	.784871	.795061	.803289	.810284	.818250	.823570	.834265	.838329	.846832
	235	.800966	.810848	.818812	.825571	.833255	.838379	.848660	.852559	.860703
	240	.817013	.826562	.834241	.840747	.848130	.853044	.862883	.866607	.874369
	245	.833009	.842197	.849570	.855804	.862863	.867552	.879619	.880455	.887812
	250	.848947	.857745	.864786	.870727	.877438	.881887	.890749	.894085	.901010
	255	.864820	.873195	.879878	.885502	.891839	.896028	.904348	.907471	.913934
	260	.880621	.888535	.894828	.900109	.906040	.909951	.917687	.920581	.926549
	265	.896338	.903747	.909615	.914521	.920012	.923620	.930725	.933371	.938807
	270	.911954	.918807	.924207	.928704	.933713	.936990	.943408	.945786	.950645
	275	.927448	.933681	.938563	.942605	.947082	.949995	.955660	.957743	.961973
	280	.942787	.948320	.952618	.956150	.960031	.962537	.967364	.969122	.972659
	285	.957914	.962639	.966264	.969212	.972413	.974457	.978336	.979727	.982489
	290	.972725	.976480	.979303	.981557	.983955	.985457	.988233	.989203	.991079
	295	.986964	.989461	.991255	.992626	.994017	.994847	.996285	.996754	.997604
	300	.999256	.999649	.999829	.999916	.999966	.999983	.999997	.999998	1.000000
310	155	.522259	.534711	.544969	.553845	.564131	.571112	.585437	.590986	.602799
	160	.538336	.550750	.560968	.569801	.580029	.586966	.601185	.606689	.618395
	165	.554388	.566753	.576919	.585699	.595859	.602744	.616844	.622296	.633884
	170	.570416	.582717	.592821	.601540	.611621	.618446	.632412	.637807	.649265
	175	.586418	.598643	.608674	.617323	.627313	.634073	.647889	.653222	.664537

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
310	180	.602395	.614530	.624478	.633047	.642936	.649622	.663274	.668539	.679699
	185	.618347	.630378	.640231	.648711	.658489	.665093	.678566	.683756	.694750
	190	.634272	.646187	.655933	.664315	.673969	.680485	.693763	.698873	.709687
	195	.650170	.661954	.671584	.679856	.689376	.695796	.708863	.713887	.724509
	200	.666041	.677680	.687181	.695334	.704708	.711023	.723864	.728795	.739212
	205	.681883	.693363	.702722	.710746	.719962	.726165	.738763	.743595	.753793
	210	.697697	.709002	.718208	.726092	.735137	.741219	.753556	.758283	.768248
	215	.713480	.724595	.733634	.741367	.750229	.756181	.768240	.772855	.782573
	220	.729232	.740140	.748999	.756569	.765234	.771048	.782811	.787306	.796762
	225	.744951	.755635	.764300	.771695	.780149	.785816	.797262	.801631	.810809
	230	.760635	.771077	.779533	.786740	.794969	.800478	.811588	.815822	.824706
	235	.776282	.786463	.794694	.801700	.809688	.815028	.825781	.829873	.838444
	240	.791890	.801790	.809780	.816570	.824300	.829461	.839833	.843773	.852015
	245	.807456	.817053	.824783	.831343	.838797	.843766	.853734	.857513	.865404
	250	.822977	.832247	.839698	.846010	.853169	.857934	.867470	.871078	.878598
	255	.838448	.847364	.854516	.860562	.867406	.871951	.881028	.884454	.891579
	260	.853864	.862399	.869227	.874986	.881492	.885803	.894388	.897620	.904325
	265	.869218	.877340	.883818	.889269	.895410	.899469	.907527	.910552	.916809
	270	.884502	.892174	.898274	.903391	.909137	.912925	.920417	.923218	.928996
	275	.899705	.906886	.912572	.917325	.922644	.926137	.933017	.935579	.940840
	280	.914813	.921452	.926684	.931039	.935889	.939062	.945276	.947577	.952280
	285	.929802	.935840	.940568	.944482	.948816	.951636	.957119	.959135	.963229
	290	.944642	.950000	.954161	.957581	.961338	.963764	.968435	.970136	.973559
	295	.959277	.963852	.967362	.970215	.973313	.975291	.979045	.980391	.983063
	300	.973608	.977242	.979975	.982156	.984477	.985930	.988617	.989555	.991371
	305	.987385	.989802	.991538	.992865	.994211	.995014	.996406	.996860	.997682
	310	.999280	.999660	.999835	.999918	.999968	.999984	.999997	.999998	1.000000
320	160	.521934	.534191	.544290	.553028	.563156	.570030	.584138	.589604	.601240
	165	.537511	.549732	.559793	.568491	.578564	.585397	.599406	.604829	.616366
	170	.553064	.565239	.575252	.583901	.593910	.600694	.614591	.619966	.631392
	175	.568595	.580711	.590665	.599257	.609192	.615921	.629692	.635014	.646319
	180	.584102	.596147	.606034	.614560	.624411	.631078	.644710	.649973	.661144
	185	.599586	.611548	.621357	.629809	.639566	.646164	.659642	.664842	.675869
	190	.615046	.626913	.636633	.645002	.654655	.661178	.674489	.679619	.690491
	195	.630483	.642241	.651863	.660140	.669679	.676119	.689248	.694304	.705008
	200	.645894	.657531	.667044	.675221	.684634	.690985	.703919	.708894	.719418
	205	.661280	.672783	.682177	.690243	.699521	.705775	.718498	.723387	.733720
	210	.676641	.687996	.697259	.705205	.714337	.720486	.732983	.737781	.747910
	215	.691975	.703169	.712290	.720106	.729080	.735117	.747372	.752072	.761985
	220	.707281	.718300	.727266	.734943	.743747	.749664	.761662	.766257	.775941
	225	.722559	.733387	.742187	.749714	.758335	.764125	.775848	.780333	.789773
	230	.737807	.748428	.757050	.764415	.772842	.778495	.789926	.794293	.803476
	235	.753023	.763422	.771852	.779044	.787263	.792770	.803890	.808133	.817044
	240	.768207	.778366	.786589	.793596	.801593	.806945	.817736	.821847	.830469
	245	.783355	.793257	.801259	.808067	.815828	.821014	.831455	.835426	.843744
	250	.798466	.808091	.815855	.822452	.829960	.834970	.845039	.848862	.856857
	255	.813537	.822863	.830373	.836744	.843982	.848805	.858478	.862144	.869798
	260	.828564	.837570	.844806	.850935	.857884	.862508	.871760	.875260	.882552
	265	.843544	.852204	.859147	.865015	.871657	.876067	.884871	.888193	.895101
	270	.858470	.866758	.873385	.878974	.885285	.889467	.897792	.900926	.907426
	275	.873338	.881222	.887508	.892796	.898752	.902689	.910502	.913433	.919498
	280	.888139	.895584	.901501	.906464	.912036	.915708	.922971	.925686	.931285
	285	.902861	.909827	.915342	.919951	.925107	.928494	.935162	.937644	.942742
	290	.917491	.923931	.929004	.933226	.937927	.941003	.947024	.949253	.953809
	295	.932008	.937862	.942446	.946240	.950440	.953173	.958485	.960439	.964404
	300	.946390	.951574	.955608	.958921	.962562	.964913	.969438	.971086	.974401
	305	.960555	.964988	.968390	.971154	.974156	.976073	.979709	.981013	.983601

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
320	310	.574435	.977957	.980605	.982718	.984966	.986374	.988976	.989885	.991643
	315	.987780	.990127	.991804	.993089	.994393	.995171	.996519	.996958	.997754
	320	.999303	.999671	.999840	.999921	.999969	.999984	.999997	.999998	1.000000
330	165	.521623	.533694	.543641	.552247	.562224	.568996	.582896	.588283	.599751
	170	.536729	.548768	.558678	.567247	.577172	.583905	.597712	.603059	.614434
	175	.551814	.563808	.573674	.582197	.592062	.598749	.612451	.617753	.629024
	180	.566878	.578817	.588628	.597098	.606894	.613529	.627114	.632365	.643522
	185	.581920	.593793	.603541	.611949	.621666	.628244	.641698	.646894	.657526
	190	.596940	.608736	.618411	.626750	.636380	.642893	.656203	.661340	.672237
	195	.611939	.623645	.633239	.641500	.651033	.657476	.670630	.675702	.686453
	200	.626915	.638521	.648023	.656199	.665625	.671991	.684975	.689977	.700572
	205	.641869	.653362	.662763	.670845	.680154	.686437	.699239	.704166	.714593
	210	.656799	.668168	.677457	.685437	.694620	.700813	.713418	.718265	.728514
	215	.671706	.682938	.692106	.699974	.709021	.715116	.727511	.732273	.742332
	220	.686588	.697671	.706707	.714455	.723355	.729346	.741516	.746186	.756044
	225	.701445	.712365	.721259	.728877	.737620	.743500	.755430	.760003	.769647
	230	.716276	.727020	.735760	.743239	.751813	.757574	.769249	.773720	.783137
	235	.731079	.741633	.750207	.757537	.765931	.771565	.782970	.787331	.796509
	240	.745854	.756203	.764600	.771770	.779971	.785471	.796588	.800834	.809759
	245	.760600	.770728	.778934	.785934	.793930	.799286	.810098	.814222	.822880
	250	.775314	.785205	.793208	.800024	.807802	.813006	.823494	.827489	.835864
	255	.789994	.799631	.807415	.814038	.821583	.826624	.836769	.840627	.848705
	260	.804639	.814002	.821554	.827968	.835265	.840135	.849916	.853629	.861392
	265	.819245	.828315	.835617	.841809	.848843	.853529	.862923	.866483	.873913
	270	.833809	.842565	.849599	.855554	.862306	.866796	.875780	.879178	.886256
	275	.848328	.856745	.863492	.869193	.875644	.879926	.888473	.891698	.898407
	280	.862796	.870848	.877287	.882715	.888843	.892903	.900984	.904025	.910331
	285	.877207	.884865	.890971	.896106	.901888	.905709	.913291	.916135	.922018
	290	.891553	.898784	.904529	.909347	.914755	.918320	.925366	.928000	.933431
	295	.905825	.912588	.917942	.922415	.927419	.930705	.937174	.939581	.944525
	300	.920007	.926258	.931181	.935278	.939840	.942823	.948664	.950826	.955244
	305	.934079	.939761	.944209	.947889	.951965	.954615	.959767	.961661	.965507
	310	.948012	.953052	.956965	.960180	.963711	.965991	.970380	.971977	.975191
	315	.961755	.966056	.969355	.972036	.974948	.976806	.980332	.981596	.984105
	320	.975712	.978628	.981196	.983245	.985476	.986791	.989314	.990195	.991899
	325	.988151	.990422	.992053	.993299	.994563	.995318	.996625	.997051	.997823
	330	.999324	.999681	.999845	.999923	.999970	.999985	.999997	.999998	1.000000
340	170	.521326	.533219	.543020	.551500	.561332	.568006	.581708	.587018	.598327
	175	.535989	.547851	.557618	.566063	.575847	.582484	.596098	.601371	.612591
	180	.550633	.562454	.572178	.580580	.590308	.596902	.610417	.615647	.626769
	185	.565256	.577026	.586700	.595052	.604714	.611260	.624665	.629848	.640862
	190	.579860	.591568	.601182	.609477	.619066	.625557	.638840	.643971	.654869
	195	.594444	.606079	.615626	.623856	.633362	.639794	.652942	.658017	.668788
	200	.609007	.620560	.630030	.638188	.647603	.653969	.666970	.671985	.682619
	205	.623550	.635009	.644394	.652472	.661787	.668081	.680924	.685874	.696361
	210	.638072	.649426	.658717	.666707	.675914	.682130	.694802	.699681	.710012
	215	.652572	.663811	.672998	.680993	.689982	.696114	.708602	.713407	.723570
	220	.667051	.678163	.687236	.695028	.703490	.710031	.722323	.727048	.737034
	225	.681507	.692480	.701431	.709110	.717936	.723880	.735963	.740602	.750400
	230	.695940	.706762	.715581	.723139	.731819	.737659	.749518	.754067	.763666
	235	.710349	.721008	.729684	.737113	.745636	.751366	.762987	.767441	.776828
	240	.724733	.735216	.743738	.751029	.759384	.764997	.776366	.780718	.789883
	245	.739091	.749384	.757743	.764885	.773062	.778549	.789652	.793896	.802825
	250	.753422	.763511	.771694	.778679	.786666	.792020	.802839	.806970	.815651
	255	.767725	.777595	.785590	.792406	.800191	.805404	.815923	.819934	.828354
	260	.781997	.791634	.799427	.806063	.813633	.818697	.828899	.832783	.840926
	265	.796238	.805623	.813202	.819647	.826988	.831893	.841758	.845509	.853361

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
340	270	.810444	.819561	.826910	.833151	.840250	.844985	.854494	.858104	.865648
	275	.824613	.833442	.840546	.846570	.853410	.857966	.867098	.870557	.877776
	280	.838743	.847262	.854104	.859896	.866460	.870825	.879556	.882857	.889732
	285	.852828	.861016	.867577	.873120	.879390	.883552	.891856	.894989	.901500
	290	.866864	.874695	.880955	.886231	.892187	.896132	.903982	.906935	.913060
	295	.880846	.888292	.894226	.899217	.904834	.908546	.915911	.918673	.924386
	300	.894765	.901794	.907377	.912058	.917312	.920774	.927617	.930174	.935447
	305	.908612	.915185	.920387	.924732	.929592	.932783	.939064	.941402	.946201
	310	.922373	.928446	.933229	.937208	.941638	.944535	.950205	.952304	.956593
	315	.936078	.941547	.945867	.949441	.953398	.955971	.960972	.962811	.966543
	320	.949548	.954443	.958243	.961364	.964792	.967005	.971265	.972815	.975934
	325	.962884	.967060	.970263	.972866	.975692	.977496	.980918	.982145	.984580
	330	.975943	.979259	.981752	.983741	.985858	.987182	.989631	.990486	.992140
	335	.988500	.990704	.992287	.993497	.994724	.995456	.996725	.997138	.997887
	340	.999344	.999690	.999849	.999926	.999970	.999985	.999997	.999999	1.000000
350	175	.521040	.532763	.542424	.550785	.560478	.567059	.580570	.585807	.596961
	180	.535286	.546980	.556609	.564936	.574584	.581130	.594558	.599760	.610830
	185	.549513	.561168	.570758	.579044	.588639	.595145	.608480	.613642	.624620
	190	.563722	.575329	.584871	.593110	.602644	.609104	.622335	.627453	.638330
	195	.577912	.589461	.598948	.607134	.616598	.623007	.636123	.641192	.651959
	200	.592094	.603566	.612988	.621113	.630501	.636853	.649843	.654860	.665508
	205	.606237	.617641	.626992	.635049	.644352	.650642	.663495	.668455	.678974
	210	.620371	.631687	.640958	.648941	.658150	.664374	.677078	.681976	.692358
	215	.634485	.645704	.654887	.662788	.671895	.678046	.690590	.695422	.705657
	220	.648579	.659691	.668777	.676589	.685586	.691658	.704030	.708792	.718871
	225	.662653	.673646	.682628	.690342	.699221	.705208	.717397	.722084	.731996
	230	.676707	.687571	.696438	.704048	.712799	.718696	.730689	.735296	.745032
	235	.690739	.701463	.710206	.717704	.726319	.732119	.743903	.748426	.757576
	240	.704749	.715321	.723932	.731310	.739778	.745475	.757038	.761471	.770824
	245	.718736	.729145	.737613	.744862	.753175	.758762	.770090	.774429	.783573
	250	.732700	.742932	.751248	.758360	.766507	.771977	.783056	.787295	.796220
	255	.746639	.756683	.764835	.771800	.779770	.785118	.795933	.800066	.808760
	260	.760552	.770393	.778372	.785180	.792963	.798179	.808716	.812738	.821188
	265	.774438	.784063	.791855	.798498	.806082	.811159	.821401	.825305	.833498
	270	.788295	.797688	.805283	.811748	.819121	.824051	.833981	.837762	.845684
	275	.802121	.811267	.818650	.824927	.832076	.836850	.846451	.850100	.857738
	280	.815914	.824796	.831954	.838030	.844940	.849549	.858802	.862313	.869650
	285	.829672	.838271	.845188	.851051	.857708	.862141	.871025	.874389	.881409
	290	.843391	.851687	.858347	.863983	.870371	.874617	.883109	.886318	.893003
	295	.857068	.865039	.871424	.876817	.882917	.886965	.895040	.898086	.904415
360	300	.870698	.878320	.884410	.889543	.895335	.899171	.906803	.909674	.915627
	305	.884276	.891520	.897293	.902147	.907609	.911218	.918377	.921062	.926613
	310	.897793	.904629	.910059	.914611	.919719	.923085	.929736	.932221	.937344
	315	.911240	.917632	.922690	.926915	.931639	.934741	.940844	.943115	.947778
	320	.924604	.930509	.935159	.939026	.943332	.946147	.951657	.953696	.957852
	325	.937865	.943230	.947429	.950903	.954748	.957248	.962108	.963893	.967518
	330	.950996	.955753	.959446	.962479	.965810	.967960	.972098	.973604	.976634
	335	.963948	.968006	.971119	.973648	.976393	.978146	.981470	.982662	.985027
	340	.976632	.979854	.982277	.984209	.986265	.987552	.989930	.990761	.992367
	345	.988829	.990971	.992509	.993684	.994876	.995587	.996819	.997221	.997948
	350	.999363	.999699	.999853	.999928	.999971	.999986	.999997	.999999	1.000000
	180	.520767	.532326	.541854	.550099	.559659	.566150	.579479	.584646	.595652
	185	.534618	.546150	.555647	.563860	.573378	.579836	.593087	.598220	.609147
	190	.548451	.559948	.569407	.577583	.587050	.593470	.606633	.611728	.622568
	195	.562268	.573719	.583134	.591265	.600675	.607052	.620116	.625170	.635915
	200	.576068	.587464	.596827	.604908	.614252	.620582	.633538	.638546	.649187

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
360	205	.589950	.601183	.610486	.618510	.627782	.634058	.646896	.651855	.662383
	210	.603615	.614875	.624111	.632072	.641264	.647482	.660191	.665096	.675504
	215	.617362	.628540	.637702	.645592	.654697	.660852	.673421	.678268	.688547
	220	.631090	.642178	.651257	.659070	.668080	.674167	.686585	.691371	.701512
	225	.644801	.655788	.664776	.672506	.681413	.687426	.699683	.704403	.714397
	230	.658492	.669369	.678259	.685899	.694694	.700628	.712713	.717363	.727200
	235	.672165	.682921	.691704	.699246	.707923	.713771	.725673	.730249	.739921
	240	.685818	.696443	.705111	.712549	.721097	.726856	.738562	.743058	.752555
	245	.699450	.709934	.718479	.725804	.734216	.739878	.751378	.755790	.765102
	250	.713062	.723393	.731805	.739010	.747277	.752837	.764117	.768441	.777559
	255	.726651	.736820	.745090	.752166	.760279	.765730	.776777	.781008	.789920
	260	.740218	.750211	.758330	.765270	.773218	.778554	.789356	.793488	.802185
	265	.753762	.763567	.771524	.778319	.786093	.791306	.801849	.805877	.814346
	270	.767281	.776886	.784670	.791310	.798899	.803984	.814252	.818171	.826401
	275	.780773	.790164	.797765	.804241	.811634	.816582	.826561	.830364	.838343
	280	.794238	.803400	.810806	.817108	.824293	.829097	.838770	.842452	.850165
	285	.807674	.816592	.823789	.829907	.836872	.841522	.850873	.854426	.861860
	290	.821077	.829736	.836711	.842632	.849363	.853852	.862861	.866279	.873420
	295	.834447	.842827	.849567	.855279	.861762	.866078	.874726	.878001	.884832
	300	.847780	.855862	.862350	.867839	.874058	.878192	.886457	.889581	.896085
	305	.861071	.868836	.875054	.880305	.886243	.890183	.898042	.901005	.907162
	310	.874318	.881740	.887670	.892667	.898305	.902038	.909464	.912257	.918047
	315	.887513	.894567	.900187	.904911	.910227	.913739	.920703	.923314	.928713
	320	.900651	.907306	.912591	.917020	.921991	.925264	.931734	.934151	.939133
	325	.913720	.919947	.924863	.928974	.933570	.936587	.942523	.944732	.949266
	330	.926709	.932456	.936980	.940742	.944930	.947668	.953026	.955009	.959059
	335	.939600	.944819	.948904	.952282	.956022	.958453	.963178	.964915	.968439
	340	.952363	.956991	.960582	.963532	.966771	.968862	.972885	.974349	.977294
	345	.964953	.968900	.971927	.974386	.977056	.978759	.981991	.983150	.985448
	350	.977283	.980416	.982772	.984650	.986649	.987900	.990213	.991020	.992582
	355	.989140	.991222	.992717	.993860	.995019	.995710	.996908	.997298	.998005
	360	.999380	.999707	.999858	.999930	.999972	.999986	.999997	.999999	1.000000
370	185	.520503	.531907	.541305	.549440	.558872	.565277	.578430	.583530	.594394
	190	.533981	.545358	.554729	.562833	.572225	.578599	.591678	.596746	.607535
	195	.547443	.558786	.568121	.576190	.585534	.591872	.604868	.609900	.620607
	200	.560889	.572189	.581482	.589509	.598799	.605097	.618000	.622993	.633609
	205	.574318	.585568	.594812	.602791	.612020	.618272	.631074	.636023	.646542
	210	.587732	.598922	.608110	.616036	.625197	.631399	.644088	.648991	.659404
	215	.601129	.612251	.621376	.629242	.638328	.644476	.657044	.661896	.672195
	220	.614509	.625555	.634610	.642410	.651414	.657502	.669939	.674737	.684914
	225	.627873	.638833	.647811	.655539	.664454	.670477	.682773	.687513	.697560
	230	.641220	.652086	.660978	.668629	.677446	.683401	.695545	.700223	.710132
	235	.654549	.665312	.674112	.681678	.690391	.696271	.708254	.712866	.722628
	240	.667861	.678511	.687211	.694685	.703287	.709088	.720898	.725440	.735047
	245	.681154	.691682	.700275	.707651	.716133	.721849	.733476	.737944	.747387
	250	.694428	.704824	.713302	.720573	.728927	.734553	.745986	.750376	.759645
	255	.707683	.717937	.726291	.733450	.741668	.747198	.758426	.762733	.771820
	260	.720918	.731020	.739241	.746280	.754355	.759783	.770793	.775012	.783907
	265	.734132	.744071	.752151	.759063	.766984	.772305	.783065	.787212	.795905
	270	.747325	.757089	.765018	.771795	.779553	.784761	.795299	.799329	.807809
	275	.760495	.770073	.777842	.784475	.792061	.797148	.807431	.811358	.819615
	280	.773641	.783020	.790619	.797099	.804504	.809463	.819476	.823296	.831318
	285	.786762	.795930	.803347	.809666	.816877	.821702	.831431	.835138	.842913
	290	.799857	.808799	.816024	.822171	.829178	.833861	.843290	.846877	.854393
	295	.812923	.821625	.828645	.834611	.841401	.845934	.855046	.858508	.865751
	300	.825959	.834404	.841207	.846979	.853541	.857915	.866693	.870022	.876977
	305	.838961	.847134	.853705	.859272	.865590	.869796	.878221	.881410	.888062

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
370	310	.851928	.859809	.866133	.871482	.877542	.881569	.889619	.892661	.898994
	315	.864856	.872425	.878485	.883601	.889386	.893224	.900877	.903762	.909756
	320	.877740	.884974	.890751	.895619	.901110	.904746	.911976	.914695	.920331
	325	.890575	.897448	.902922	.907523	.912700	.916120	.922900	.925442	.930696
	330	.903353	.909836	.914984	.919297	.924137	.927324	.933621	.935974	.940822
	335	.916066	.922126	.926918	.930921	.935395	.938332	.944109	.946259	.950671
	340	.928701	.934297	.938701	.942364	.946441	.949106	.954320	.956249	.960190
	345	.941240	.946322	.950298	.953587	.957226	.959593	.964190	.965880	.969309
	350	.953656	.958160	.961656	.964527	.967679	.969714	.973678	.975053	.977918
	355	.965903	.969745	.972691	.975084	.977682	.979339	.982483	.983611	.985647
	360	.977898	.980948	.983240	.985068	.987012	.988230	.990479	.991265	.992784
	365	.989434	.991460	.992915	.994026	.995154	.995827	.996992	.997372	.998060
	370	.999397	.999715	.999861	.999932	.999973	.999986	.999997	.999999	1.000000
380	190	.520250	.531503	.540778	.548806	.558116	.564439	.577423	.582458	.593185
	195	.533374	.544603	.553851	.561851	.571122	.577415	.590329	.595334	.605990
	200	.546483	.557679	.566894	.574860	.584087	.590346	.603181	.608152	.618730
	205	.559577	.570733	.579909	.587835	.597011	.603231	.615979	.620913	.631405
	210	.572656	.583765	.592894	.600775	.609893	.616071	.628722	.633615	.644015
	215	.585720	.596773	.605849	.613680	.622734	.628864	.641410	.646259	.656559
	220	.598769	.609757	.618774	.626550	.635532	.641611	.654043	.658844	.669037
	225	.611802	.622719	.631670	.639383	.648288	.654312	.666620	.671370	.681447
	230	.624820	.635656	.644535	.652180	.661002	.666964	.679139	.683834	.693789
	235	.637821	.648569	.657369	.664941	.673671	.679568	.691601	.696238	.706062
	240	.650807	.661458	.670171	.677663	.686296	.692123	.704004	.708578	.718265
	245	.663776	.674321	.682941	.690347	.698875	.704628	.716346	.720855	.730396
	250	.676727	.687159	.695677	.702992	.711408	.717081	.728627	.733067	.742453
	255	.689662	.699970	.708380	.715597	.723892	.729481	.740845	.745211	.754434
	260	.702578	.712754	.721048	.728160	.736328	.741827	.752998	.757286	.766338
	265	.715476	.725510	.733680	.740680	.748713	.754117	.765084	.769290	.778161
	270	.728355	.738236	.746275	.753155	.761045	.766348	.777101	.781220	.789902
	275	.741214	.750933	.758831	.765585	.773323	.778520	.789046	.793074	.801556
	280	.754053	.763597	.771346	.777966	.785544	.790628	.800915	.804848	.813121
	285	.766869	.776229	.783819	.790297	.797705	.802671	.812706	.816538	.824591
	290	.779663	.788826	.796248	.802576	.809803	.814644	.824414	.828140	.835963
	295	.792432	.801387	.808629	.814798	.821836	.826544	.836034	.839650	.847231
	300	.805176	.813908	.820961	.826961	.833798	.838367	.847563	.851061	.858388
	305	.817893	.826388	.833240	.839061	.845685	.850107	.858992	.862367	.869427
	310	.830580	.838823	.845461	.851093	.857492	.861758	.870316	.873561	.880340
	315	.843236	.851211	.857621	.863051	.869212	.873313	.881525	.884634	.891116
	320	.855857	.863545	.869713	.874930	.880838	.884764	.892610	.895574	.901744
	325	.868440	.875822	.881732	.886720	.892359	.896100	.903558	.906369	.912209
	330	.880981	.888035	.893668	.898413	.903765	.907308	.914353	.917002	.922492
	335	.893474	.900175	.905512	.909996	.915041	.918373	.924978	.927454	.932572
	340	.905912	.912232	.917249	.921453	.926168	.929273	.935408	.937699	.942420
	345	.918288	.924193	.928864	.932763	.937122	.939983	.945611	.947704	.952200
	350	.930587	.936040	.940331	.943899	.947871	.950466	.955544	.957423	.961260
	355	.942793	.947745	.951618	.954822	.958366	.960671	.965148	.966793	.970132
	360	.954880	.959268	.962674	.965469	.968539	.970520	.974332	.975719	.978509
	365	.966804	.970545	.973414	.975745	.978274	.979889	.982950	.984047	.986224
	370	.978482	.981451	.983683	.985463	.987357	.988542	.990732	.991497	.992976
	375	.989712	.991685	.993102	.994184	.995282	.995937	.997072	.997441	.998111
	380	.999413	.999723	.999865	.999933	.999974	.999987	.999997	.999999	1.000000
390	195	.520006	.531115	.540271	.548197	.557383	.563632	.576454	.581426	.592021
	200	.532794	.543880	.553011	.560910	.570065	.576280	.589036	.593979	.604507
	205	.545569	.556624	.565723	.573590	.582703	.588885	.601567	.606478	.616932
	210	.558329	.569346	.578408	.586238	.595303	.601449	.614047	.618923	.629296
	215	.571076	.582047	.591066	.598853	.607863	.613969	.626476	.631314	.641599

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
390	220	.583808	.594727	.603696	.611435	.620385	.626446	.638853	.643649	.653840
	225	.596526	.607385	.616297	.623984	.632867	.638879	.651178	.655930	.666019
	230	.609229	.620020	.628871	.636500	.645309	.651269	.663451	.668154	.678135
	235	.621918	.632634	.641416	.648981	.657712	.663614	.675671	.680322	.690187
	240	.634592	.645225	.653933	.661428	.670073	.675914	.687837	.692433	.702174
	245	.647250	.657793	.666419	.673840	.682393	.688168	.699947	.704485	.714096
	250	.659894	.670337	.678876	.686216	.694670	.700375	.712002	.716477	.725951
	255	.672521	.682857	.691301	.698555	.706904	.712534	.723999	.728409	.737737
	260	.685132	.695353	.703696	.710857	.719093	.724644	.735939	.740278	.749453
	265	.697727	.707823	.716058	.723120	.731237	.736704	.747816	.752083	.761097
	270	.710305	.720268	.728386	.735344	.743334	.748711	.759632	.763822	.772666
	275	.722865	.732685	.740680	.747527	.755382	.760665	.771384	.775493	.784159
	280	.735406	.745075	.752938	.759667	.767380	.772563	.783070	.787093	.795572
	285	.747928	.757435	.765159	.771762	.779325	.784404	.794686	.798620	.806902
	290	.760431	.769766	.777341	.783812	.791216	.796183	.806230	.810070	.818146
	295	.772913	.782064	.789483	.795813	.803050	.807900	.817699	.821439	.829300
	300	.785372	.794329	.801581	.807763	.814823	.819550	.829088	.832725	.840359
	305	.797809	.806559	.813635	.819660	.826532	.831129	.840393	.843920	.851317
	310	.810220	.818751	.825640	.831499	.838174	.842634	.851608	.855022	.862169
	315	.822606	.830904	.837594	.843278	.849744	.854059	.862729	.866021	.872907
	320	.834963	.843013	.849493	.854990	.861236	.865398	.873747	.876913	.883523
	325	.847289	.855076	.861333	.866632	.872644	.876645	.884655	.887687	.894008
	330	.859583	.867087	.873107	.878197	.883961	.887791	.895443	.898333	.904348
	335	.871839	.879043	.884810	.889677	.895177	.898825	.906097	.908838	.914531
	340	.884054	.890937	.896433	.901061	.906281	.909736	.916605	.919187	.924538
	345	.896223	.902761	.907966	.912340	.917259	.920508	.926947	.929361	.934349
	350	.908340	.914504	.919397	.923496	.928093	.931120	.937100	.939333	.943934
	355	.920394	.926154	.930708	.934510	.938759	.941548	.947033	.949073	.953259
	360	.932376	.937693	.941877	.945355	.949226	.951756	.956705	.958535	.962275
	365	.944267	.949094	.952870	.955992	.959447	.961693	.966056	.967659	.970912
	370	.956041	.960319	.963638	.966363	.969355	.971285	.974999	.976351	.979069
	375	.967657	.971304	.974100	.976371	.978836	.980409	.983392	.984461	.986582
	380	.979035	.981929	.984103	.985838	.987683	.988838	.990972	.991717	.993158
	385	.989976	.991899	.993279	.994334	.995403	.996042	.997147	.997507	.998160
	390	.999428	.999730	.999868	.999935	.999974	.999987	.999997	.999999	1.000000
400	200	.519771	.530740	.539783	.547610	.556689	.562854	.575520	.580432	.590900
	205	.532240	.543188	.552206	.560008	.569052	.575191	.587793	.592678	.603082
	210	.544697	.555615	.564604	.572375	.581379	.587487	.600019	.604873	.615207
	215	.557140	.568023	.576976	.584712	.593669	.599744	.612197	.617018	.627275
	220	.569570	.580410	.589322	.597018	.605924	.611960	.624326	.629111	.639285
	225	.581987	.592777	.601642	.609293	.618142	.624136	.636408	.641153	.651237
	230	.594390	.605124	.613936	.621537	.630323	.636271	.648441	.653143	.663131
	235	.606780	.617450	.626204	.633750	.642466	.648364	.660424	.665081	.674966
	240	.619156	.629755	.638444	.645931	.654572	.660417	.672358	.676965	.686741
	245	.631518	.642039	.650658	.658079	.666640	.672426	.684241	.688796	.698456
	250	.643866	.654302	.662844	.670195	.678669	.684393	.696072	.700573	.710109
	255	.656200	.666543	.675002	.682277	.690658	.696316	.707851	.712293	.721700
	260	.668519	.678761	.687131	.694325	.702607	.708194	.719577	.723957	.733226
	265	.680822	.690956	.699231	.706338	.714514	.720027	.731248	.735563	.744687
	270	.693111	.703128	.711101	.718315	.726379	.731812	.742863	.747109	.756081
	275	.705383	.715275	.723340	.730255	.738200	.743550	.754420	.758593	.767406
	280	.717639	.727398	.735347	.742158	.749976	.755237	.765918	.770015	.778659
	285	.729878	.739495	.747320	.754020	.761706	.766873	.777354	.781370	.789839
	290	.742100	.751565	.759260	.765842	.773387	.778455	.788726	.792658	.800943
	295	.754303	.763607	.771163	.777622	.785018	.789982	.800032	.803876	.811967

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
400	300	.766487	.775620	.783029	.789357	.796596	.801451	.811268	.815019	.822908
	305	.778650	.787602	.794857	.801046	.808119	.812858	.822432	.826086	.833762
	310	.790793	.799552	.806642	.812685	.819584	.824202	.833519	.837070	.844525
	315	.802913	.811469	.818385	.824273	.830987	.835478	.844524	.847969	.855190
	320	.815010	.823349	.830081	.835805	.842326	.846681	.855444	.858777	.865753
	325	.827081	.835190	.841727	.847279	.853594	.857808	.866272	.869486	.876206
	330	.839124	.846990	.853320	.858689	.864788	.868852	.877002	.880091	.886542
	335	.851139	.858745	.864856	.870031	.875900	.879806	.887624	.890582	.896749
	340	.863120	.870450	.876328	.881298	.886924	.890662	.898129	.900950	.906818
	345	.875066	.882102	.887732	.892482	.897851	.901411	.908507	.911181	.916734
	350	.886973	.893693	.899058	.903575	.908669	.912040	.918741	.921260	.926480
	355	.898834	.905216	.910296	.914564	.919365	.922534	.928815	.931169	.936034
	360	.910645	.916661	.921436	.925435	.929921	.932874	.938706	.940884	.945371
	365	.922395	.928016	.932459	.936169	.940314	.943034	.948383	.950372	.954454
	370	.934075	.939262	.943344	.946737	.950513	.952980	.957806	.959591	.963237
	375	.945666	.950375	.954058	.957104	.960473	.962664	.966918	.968481	.971652
	380	.957144	.961317	.964554	.967212	.970129	.972011	.975633	.976950	.979600
	385	.968469	.972025	.974752	.976967	.979370	.980904	.983812	.984854	.986922
	390	.979560	.982382	.984503	.986194	.987993	.989119	.991199	.991926	.993330
	395	.990227	.992102	.993448	.994476	.995519	.996141	.997219	.997570	.998206
	400	.999442	.999737	.999872	.999937	.999975	.999987	.999997	.999999	1.000000
410	205	.519544	.530379	.539312	.547044	.556013	.562105	.574620	.579474	.589819
	210	.531710	.542525	.551434	.559142	.568078	.574145	.586599	.591428	.601712
	215	.543864	.554651	.563532	.571212	.580109	.586147	.598534	.603333	.613551
	220	.556005	.566759	.575606	.583252	.592106	.598111	.610424	.615191	.625336
	225	.568134	.578847	.587656	.595264	.604069	.610038	.622268	.627001	.637067
	230	.580251	.590917	.599681	.607247	.615997	.621926	.634068	.638763	.649743
	235	.592355	.602968	.611682	.619200	.627891	.633776	.645821	.650476	.660365
	240	.604446	.614999	.623658	.631124	.639750	.645588	.657528	.662140	.671932
	245	.616525	.627010	.635609	.643018	.651574	.657361	.669188	.673754	.683442
	250	.628590	.639002	.647534	.654882	.663361	.669093	.680801	.685317	.694896
	255	.640642	.650974	.659433	.666715	.675112	.680786	.692366	.696830	.706292
	260	.652681	.662925	.671307	.678517	.686826	.692437	.703881	.708290	.717629
	265	.664766	.674855	.683153	.690286	.698502	.704047	.715347	.719697	.728906
	270	.676716	.686764	.694972	.702024	.710140	.715614	.726762	.731050	.740123
	275	.688613	.698650	.706763	.713727	.721738	.727137	.738124	.742347	.751276
	280	.700494	.710515	.718525	.725397	.733295	.738615	.749433	.753587	.762366
	285	.712660	.722356	.730257	.737031	.744810	.750047	.760686	.764769	.773389
	290	.724611	.734173	.741959	.748628	.756282	.761431	.771887	.775889	.784343
	295	.736545	.745965	.753628	.760188	.767710	.772766	.783019	.786947	.795227
	300	.748462	.757732	.765265	.771708	.779090	.784049	.794094	.797939	.806038
	305	.760362	.769471	.776868	.783188	.790423	.795278	.805105	.808863	.816772
	310	.772243	.781183	.788434	.794624	.801704	.806452	.816050	.819717	.827426
	315	.784105	.792865	.799963	.806016	.812933	.817567	.826925	.830495	.837996
	320	.795946	.804516	.811452	.817361	.824106	.828620	.837725	.841196	.848478
	325	.807766	.816135	.822898	.828655	.835219	.839607	.848448	.851813	.858866
	330	.819563	.827718	.834300	.839896	.846269	.850525	.859087	.862342	.869155
	335	.831335	.839264	.845655	.851081	.857252	.861369	.869637	.872776	.879338
	340	.843081	.850770	.856957	.862204	.868162	.872132	.880092	.883109	.889407
	345	.854798	.862232	.868204	.873260	.878994	.882809	.890443	.893332	.899353
	350	.866484	.873647	.879390	.884244	.889740	.893390	.900681	.903435	.909163
	355	.878135	.885009	.890509	.895149	.900391	.903868	.910795	.913406	.918826
	360	.889748	.896313	.901552	.905964	.910938	.914229	.920771	.923229	.928323
	365	.901317	.907550	.912512	.916679	.921365	.924459	.930590	.932888	.937635
	370	.912837	.918712	.923374	.927279	.931657	.934540	.940232	.942357	.946736
	375	.924298	.929786	.934124	.937745	.941791	.944446	.949666	.951607	.955590

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
410	380	.535690	.940755	.944739	.948051	.951736	.954144	.958853	.960595	.964151
	385	.946997	.951594	.955189	.958161	.961449	.963586	.967737	.969262	.972356
	390	.958194	.962266	.965425	.968018	.970865	.972702	.976235	.977520	.980105
	395	.969240	.972711	.975372	.977532	.979878	.981374	.984211	.985228	.987245
	400	.980060	.982813	.984883	.986532	.988288	.989386	.991416	.992124	.993494
	405	.990466	.992295	.993608	.994611	.995628	.996235	.997287	.997629	.998250
	410	.999456	.999743	.999875	.999938	.999975	.999988	.999998	.999999	1.000000
420	210	.519324	.530031	.538857	.546498	.555362	.561382	.573751	.578550	.588776
	215	.531202	.541888	.550693	.558311	.567143	.573139	.585451	.590224	.600393
	220	.543067	.553728	.562505	.570096	.578891	.584860	.597108	.601854	.611959
	225	.554921	.565550	.574295	.581854	.590608	.596546	.608723	.613439	.623474
	230	.566764	.577354	.586062	.593585	.602293	.608196	.620295	.624978	.634939
	235	.578594	.589140	.597807	.605289	.613945	.619811	.631825	.636472	.646352
	240	.590413	.600908	.609528	.616965	.625565	.631389	.643312	.647920	.657714
	245	.602220	.612658	.621225	.628614	.637152	.642931	.654755	.659322	.669023
	250	.614014	.624390	.632900	.640234	.648706	.654437	.666154	.670678	.680280
	255	.625797	.636103	.644550	.651826	.660225	.665905	.677508	.681986	.691484
420	260	.637567	.647797	.656176	.663390	.671711	.677335	.688817	.693245	.702633
	265	.649324	.659472	.667777	.674923	.683162	.688727	.700081	.704456	.713728
	270	.661068	.671127	.679353	.686427	.694578	.700080	.711297	.715617	.724766
	275	.672800	.682762	.690904	.697901	.705957	.711392	.722466	.726728	.735747
	280	.684518	.694376	.702428	.709343	.717299	.722664	.733586	.737786	.746670
	285	.696221	.705970	.713925	.720753	.728603	.733894	.744655	.748791	.757532
	290	.707911	.717542	.725395	.732130	.739869	.745080	.755673	.759741	.768333
	295	.719596	.729092	.736836	.743473	.751094	.756222	.766638	.770635	.779070
	300	.731246	.740619	.748248	.754781	.762277	.767319	.777548	.781470	.789742
	305	.742891	.752121	.759629	.766053	.773418	.778367	.788401	.792245	.800345
420	310	.754519	.763600	.770978	.777286	.784513	.789366	.799195	.802957	.810878
	315	.766130	.775052	.782294	.788481	.795562	.800314	.809927	.813603	.821337
	320	.777723	.786477	.793575	.799634	.806562	.811207	.820595	.824181	.831718
	325	.789297	.797874	.804820	.810744	.817511	.822044	.831195	.834687	.842019
	330	.800852	.809240	.816027	.821808	.828406	.832821	.841724	.845117	.852235
	335	.812386	.820576	.827193	.832824	.839243	.843535	.852177	.855467	.862360
	340	.823898	.831877	.838316	.843788	.850020	.854181	.862550	.865731	.872389
	345	.835386	.843142	.849392	.854698	.860731	.864755	.872837	.875904	.882316
	350	.846848	.854368	.860418	.865548	.871372	.875252	.883031	.885978	.892132
	355	.858282	.865552	.871390	.876333	.881937	.885665	.893124	.895946	.901828
420	360	.869686	.876690	.882304	.887048	.892419	.895986	.903109	.905798	.911393
	365	.881057	.887776	.893152	.897686	.902809	.906205	.912972	.915522	.920815
	370	.892390	.898806	.903927	.908237	.913097	.916312	.922701	.925103	.930077
	375	.903681	.909772	.914620	.918691	.923269	.926291	.932779	.934523	.939158
	380	.914924	.920665	.925219	.929033	.933310	.936125	.941684	.943759	.948034
	385	.926110	.931472	.935709	.939245	.943197	.945789	.950886	.952782	.956670
	390	.937229	.942176	.946067	.949302	.952900	.955251	.959849	.961549	.965022
	395	.948264	.952754	.956264	.959167	.962377	.964464	.968517	.970005	.973025
	400	.959193	.963170	.966254	.969378	.971566	.973359	.976808	.978063	.980586
	405	.969975	.973364	.975962	.978071	.980361	.981821	.984591	.985583	.987552
420	410	.980535	.983224	.985244	.986855	.988568	.989641	.991622	.992313	.993651
	415	.990693	.992479	.993761	.994740	.995733	.996326	.997352	.997686	.998292
	420	.999469	.999749	.999878	.999940	.999976	.999988	.999998	.999999	1.000000
430	215	.519112	.529695	.538419	.545971	.554733	.560684	.572913	.577657	.587769
	220	.530714	.541277	.549980	.557511	.566242	.572171	.584345	.589065	.599122
	225	.542305	.552843	.561521	.569025	.577722	.583624	.595737	.600431	.610427
	230	.553895	.564393	.573040	.580514	.589171	.595044	.607090	.611755	.621695
	235	.565454	.575925	.584537	.591977	.600591	.606431	.618402	.623036	.632895

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
430	240	.577011	.587441	.596013	.603415	.611979	.617783	.629674	.634274	.644056
	245	.588558	.598990	.607467	.614827	.623337	.629102	.640906	.645469	.655169
	250	.600093	.610421	.618899	.626212	.634664	.640387	.652096	.656621	.666233
	255	.611617	.621885	.630309	.637571	.645960	.651637	.663245	.667728	.677247
	260	.623129	.633332	.641696	.648903	.657224	.662852	.674352	.678791	.688211
	265	.634630	.644761	.653061	.660208	.668456	.674031	.685417	.689809	.699124
	270	.646119	.656172	.664402	.671486	.679655	.685174	.696439	.700781	.709985
	275	.657596	.667564	.675720	.682736	.690821	.696281	.707416	.711706	.720794
	280	.669060	.678938	.687014	.693956	.701953	.707350	.718349	.722584	.731549
	285	.680512	.690292	.698283	.705148	.713050	.718380	.729236	.733412	.742249
	290	.691951	.701627	.709527	.716310	.724112	.729372	.740076	.744191	.752893
	295	.703376	.712942	.720745	.727441	.735137	.740323	.750867	.754919	.763480
	300	.714788	.724236	.731937	.738540	.746125	.751232	.761610	.765594	.774007
	305	.726186	.735508	.743101	.749606	.757074	.762099	.772301	.776214	.784473
	310	.737569	.746759	.754237	.760639	.767984	.772922	.782939	.786779	.794875
	315	.748937	.757986	.765343	.771637	.778851	.783698	.793523	.797285	.805212
	320	.760290	.769189	.776419	.782598	.789676	.794427	.804049	.807730	.815481
	325	.771626	.780368	.787462	.793522	.800455	.805107	.814516	.818113	.825679
	330	.782945	.791520	.798472	.804405	.811187	.815734	.824921	.828429	.835802
	335	.794245	.802645	.809447	.815247	.821870	.826306	.835260	.838675	.845847
	340	.805527	.813741	.820385	.826044	.832501	.836821	.845530	.848849	.855809
	345	.816789	.824807	.831284	.836795	.843076	.847274	.855727	.858944	.865685
	350	.828029	.835839	.842140	.847495	.853592	.857662	.865847	.868957	.875467
	355	.839246	.846837	.852952	.858143	.864045	.867980	.875883	.878881	.885149
	360	.850438	.857796	.863715	.868733	.874429	.878223	.885829	.888710	.894725
	365	.861603	.868715	.874426	.879260	.884740	.888385	.895678	.898436	.904184
	370	.872739	.879589	.885080	.889719	.894970	.898457	.905420	.908049	.913516
	375	.883842	.890414	.895670	.900103	.905111	.908431	.915045	.917537	.922709
	380	.894909	.901183	.906189	.910403	.915153	.918296	.924540	.926886	.931746
	385	.905934	.911890	.916629	.920609	.925083	.928036	.933888	.936080	.940608
	390	.916913	.922526	.926977	.930705	.934885	.937635	.943066	.945094	.949270
	395	.927837	.933078	.937219	.940675	.944536	.947069	.952049	.953901	.957699
	400	.938695	.943530	.947333	.950494	.954009	.956306	.960798	.962459	.965850
	405	.949472	.953860	.957290	.960126	.963262	.965301	.969259	.970713	.973663
	410	.960145	.964031	.967045	.969518	.972233	.973985	.977354	.978579	.981044
	415	.970675	.973986	.976524	.978585	.980821	.982248	.984953	.985922	.987845
	420	.980989	.983616	.985589	.987162	.988836	.989883	.991818	.992493	.993800
	425	.990910	.992654	.993906	.994863	.995833	.996411	.997414	.997740	.998332
	430	.999481	.999755	.999881	.999941	.999977	.999988	.999998	.999999	1.000000
440	220	.518908	.529369	.537994	.545462	.554124	.560009	.572102	.576794	.586795
	225	.530246	.540690	.549295	.556741	.565375	.571238	.583279	.587948	.597896
	230	.541575	.551995	.560575	.567997	.576598	.582436	.594418	.599062	.608953
	235	.552893	.563284	.571835	.579228	.587792	.593602	.605520	.610136	.619964
	240	.564200	.574557	.583075	.590436	.598957	.604736	.616583	.621170	.630930
	245	.575497	.585814	.594295	.601619	.610094	.615838	.627609	.632164	.641850
	250	.586784	.597055	.605494	.612777	.621202	.626909	.638596	.643116	.652725
	255	.598060	.608280	.616672	.623911	.632280	.637947	.649545	.654028	.663553
	260	.609325	.619489	.627829	.635020	.643329	.648952	.660455	.664898	.674334
	265	.620580	.630681	.638965	.646104	.654348	.659925	.671325	.675726	.685068
	270	.631823	.641857	.650080	.657162	.665337	.670864	.682155	.686512	.695755
	275	.643055	.653015	.661172	.668195	.676295	.681769	.692945	.697254	.706392
	280	.654276	.664157	.672243	.679201	.687221	.692639	.703693	.707953	.716980
	285	.665495	.675280	.683291	.690180	.698116	.703474	.714399	.718607	.727518
	290	.676683	.686386	.694316	.701131	.708979	.714274	.725062	.729215	.738004
	295	.687868	.697473	.705317	.712055	.719808	.725036	.735681	.739776	.748437
	300	.699041	.708541	.716295	.722950	.730603	.735761	.746256	.750289	.758817
	305	.710201	.719590	.727247	.733815	.741363	.746447	.756783	.760753	.769141
	310	.721348	.730619	.738174	.744650	.752087	.757093	.767263	.771167	.779408
	315	.732491	.741627	.749074	.755453	.762774	.767698	.777694	.781528	.789616

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
440	320	.743601	.752614	.759947	.766223	.773422	.778260	.788074	.791835	.799763
	325	.754706	.763579	.770791	.776960	.784030	.788779	.798401	.802085	.809847
	330	.765795	.774521	.781606	.787662	.794596	.799251	.808673	.812277	.819865
	335	.776869	.785438	.792390	.798327	.805119	.809674	.818888	.822409	.829814
	340	.787926	.796331	.803142	.808954	.815596	.820048	.829042	.832476	.839692
	345	.798966	.807197	.813860	.819540	.826026	.830369	.839133	.842476	.849493
	350	.809988	.818035	.824542	.830083	.836404	.840633	.849157	.852405	.859215
	355	.820989	.828843	.835185	.840581	.846729	.850839	.859111	.862258	.868852
	360	.831970	.839619	.845788	.851031	.856997	.860981	.868989	.872032	.878399
	365	.842929	.850361	.856348	.861428	.867204	.871055	.878786	.881719	.887849
	370	.853863	.861067	.866860	.871770	.877344	.881056	.888496	.891314	.897196
	375	.864771	.871733	.877322	.882052	.887413	.890979	.898111	.900809	.906430
	380	.875651	.882355	.887728	.892267	.897404	.900814	.907624	.910194	.915540
	385	.886499	.892930	.898072	.902409	.907308	.910554	.917022	.919458	.924515
	390	.897312	.903450	.908348	.912469	.917115	.920188	.926293	.928587	.933338
	395	.908085	.913910	.918546	.922438	.926813	.929701	.935421	.937564	.941991
	400	.918812	.924301	.928655	.932300	.936387	.939076	.944385	.946367	.950449
	405	.929485	.934610	.938660	.942039	.945814	.948290	.953158	.954968	.958680
	410	.940095	.944823	.948541	.951631	.955067	.957313	.961703	.963326	.966641
	415	.950625	.954915	.958268	.961040	.964106	.966099	.969968	.971389	.974271
	420	.961054	.964853	.967799	.970217	.972870	.974582	.977875	.979072	.981481
	425	.971343	.974580	.977061	.979075	.981260	.982655	.985298	.986245	.988124
	430	.981422	.983989	.985918	.987456	.989091	.990115	.992005	.992665	.993942
	435	.991117	.992821	.994045	.994980	.995928	.996493	.997473	.997792	.998370
	440	.999493	.999761	.999883	.999942	.999977	.999989	.999998	.999999	1.000000
450	225	.518709	.529055	.537584	.544969	.553536	.559357	.571318	.575959	.585853
	230	.529797	.540124	.548635	.556000	.564540	.570339	.582251	.586870	.596714
	235	.540874	.551180	.559667	.567008	.575516	.581297	.593148	.597743	.607532
	240	.551942	.562220	.570679	.577993	.586466	.592215	.604009	.608579	.618307
	245	.563000	.573245	.581673	.588956	.597389	.603108	.614835	.619376	.629039
	250	.574048	.584255	.592647	.599895	.608284	.613971	.625625	.630135	.639729
	255	.585086	.595250	.603602	.610812	.619152	.624803	.636378	.640856	.650375
	260	.596114	.606230	.614537	.621705	.629992	.635605	.647095	.651537	.660977
	265	.607132	.617194	.625453	.632575	.640805	.646377	.657775	.662180	.671535
	270	.618139	.628143	.636348	.643421	.651589	.657117	.668418	.672783	.682048
	275	.629137	.639076	.647223	.654242	.662345	.667825	.679024	.683346	.692517
	280	.640124	.649993	.658078	.665040	.673072	.678502	.689591	.693868	.702939
	285	.651100	.660894	.668912	.675912	.683770	.689146	.700119	.704349	.713315
	290	.662065	.671778	.679725	.686560	.694437	.699757	.710607	.714787	.723643
	295	.673019	.682645	.690515	.697281	.705074	.710334	.721055	.725183	.733923
	300	.683961	.693495	.701284	.707976	.715680	.720877	.731462	.735535	.744154
	305	.694893	.704327	.712030	.718644	.726254	.731384	.741826	.745842	.754334
	310	.705812	.715141	.722753	.729285	.736795	.741855	.752147	.756102	.764462
	315	.716718	.725937	.733452	.739897	.747302	.752288	.762424	.766316	.774537
	320	.727613	.736713	.744126	.750479	.757774	.762684	.772654	.776480	.784556
	325	.738494	.747469	.754775	.761032	.768211	.773039	.782837	.786594	.794519
	330	.749361	.758205	.765397	.771553	.778610	.783353	.792971	.796656	.804423
	335	.760215	.768919	.775992	.782041	.788971	.793625	.803054	.806663	.814266
	340	.771054	.779611	.786559	.792495	.799291	.803852	.813083	.816614	.824045
	345	.781877	.790280	.797095	.802914	.809569	.814033	.823058	.826506	.833758
	350	.792685	.800924	.807600	.813295	.819803	.824164	.832973	.836336	.843401
	355	.803475	.811543	.818072	.823637	.829991	.834245	.842828	.846101	.852571
	360	.814248	.822134	.828510	.833938	.840130	.844271	.852618	.855797	.862463
	365	.825002	.832697	.838910	.844195	.850217	.854240	.862339	.865420	.871873
	370	.835735	.843228	.849271	.854405	.860248	.864148	.871987	.874965	.881196

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
450	375	.846447	.853727	.859590	.864565	.870220	.873990	.881556	.884427	.890425
	380	.857135	.864190	.869863	.874671	.880127	.883760	.891041	.893799	.899554
	385	.867798	.874615	.880087	.884717	.889965	.893454	.900434	.903073	.908572
	390	.878433	.884997	.890257	.894700	.899727	.903064	.909727	.912241	.917471
	395	.889038	.895333	.900366	.904611	.909404	.912581	.918909	.921291	.926238
	400	.899608	.905616	.910409	.914442	.918988	.921994	.927967	.930210	.934857
	405	.910139	.915840	.920376	.924184	.928465	.931290	.936885	.938981	.943311
	410	.920675	.925997	.930257	.933873	.937821	.940451	.945644	.947583	.951574
	415	.931060	.936074	.940036	.943342	.947034	.949456	.954217	.955987	.959617
	420	.941432	.946057	.949694	.952717	.956078	.958274	.962567	.964155	.967396
450	425	.951727	.955923	.959203	.961914	.964913	.966861	.970644	.972034	.974852
	430	.961922	.965638	.968519	.970884	.973479	.975153	.978372	.979543	.981898
	435	.971982	.975147	.977573	.979543	.981680	.983043	.985628	.986554	.988391
	440	.981836	.984346	.986232	.987736	.989335	.990336	.992184	.992830	.994078
	445	.991315	.992981	.994178	.995092	.996018	.996571	.997529	.997841	.998406
	450	.999504	.999766	.999886	.999944	.999978	.999989	.999998	.999999	1.000000
460	230	.518517	.528750	.537187	.544492	.552967	.558725	.570559	.575151	.584941
	235	.529364	.539580	.547999	.555285	.563734	.569472	.581258	.585829	.595571
	240	.540202	.550396	.558793	.566056	.574475	.580190	.591923	.596472	.606161
	245	.551030	.561198	.569569	.576806	.585191	.590880	.602555	.607078	.616710
	250	.561849	.571986	.580326	.587534	.595881	.601542	.613152	.617649	.627219
	255	.572659	.582760	.591066	.598240	.606545	.612175	.623716	.628183	.637686
	260	.583459	.593519	.601787	.608925	.617184	.622780	.634245	.638681	.648113
	265	.594249	.604264	.612489	.619588	.627796	.633356	.644740	.649142	.658499
	270	.605031	.614994	.623173	.630228	.638382	.643903	.655200	.659567	.668842
	275	.615802	.625710	.633838	.640846	.648941	.654420	.665625	.669953	.679144
460	280	.626564	.636411	.644484	.651441	.659474	.664908	.676014	.680302	.689403
	285	.637316	.647096	.655111	.662013	.669979	.675365	.686367	.690613	.699618
	290	.648057	.657767	.665718	.672562	.680457	.685792	.696684	.700884	.709790
	295	.658789	.668421	.676304	.683087	.690906	.696187	.706963	.711116	.719917
	300	.669510	.679060	.686877	.693587	.701326	.706551	.717204	.721307	.729998
	305	.680220	.689683	.697417	.704063	.711717	.716882	.727406	.731457	.740033
	310	.690919	.700288	.707941	.714514	.722078	.727180	.737569	.741565	.750020
	315	.701607	.710877	.718443	.724938	.732409	.737444	.747690	.751630	.759959
	320	.712284	.721449	.728923	.735336	.742707	.747673	.757770	.761650	.769848
	325	.722949	.732002	.739380	.745706	.752973	.757866	.767807	.771624	.779685
460	330	.733602	.742537	.749814	.756048	.763206	.768022	.777800	.781551	.789469
	335	.744242	.753052	.760222	.766361	.773404	.778139	.787747	.791430	.799198
	340	.754868	.763548	.770605	.776644	.783566	.788217	.797646	.801258	.808870
	345	.765482	.774023	.780962	.786895	.793690	.798253	.807496	.811033	.818483
	350	.776081	.784476	.791291	.797112	.803776	.808247	.817295	.820754	.828035
	355	.786665	.794907	.801591	.807296	.813821	.818195	.827039	.830418	.837522
	360	.797234	.805315	.811861	.817444	.823823	.828097	.836728	.840022	.846942
	365	.807786	.815697	.822098	.827553	.833780	.837948	.846357	.849562	.856291
	370	.818321	.826053	.832302	.837622	.843689	.847747	.855923	.859036	.865564
	375	.828838	.836381	.842471	.847649	.853549	.857490	.865427	.868439	.874758
460	380	.839335	.846679	.852600	.857630	.863354	.867174	.874850	.877767	.883868
	385	.849811	.856945	.862689	.867563	.873101	.876793	.884203	.887013	.892886
	390	.860264	.867177	.872734	.877442	.882786	.886344	.893473	.896172	.901806
	395	.870692	.877370	.882730	.887265	.892404	.895820	.902653	.905237	.910619
	400	.881094	.887523	.892674	.897025	.901947	.905214	.911736	.914197	.919316
	405	.891465	.897630	.902559	.906715	.911408	.914518	.920711	.923043	.927884
	410	.901803	.907687	.912380	.916328	.920778	.923720	.929566	.931762	.936309
	415	.912103	.917686	.922126	.925854	.930044	.932809	.938285	.940336	.944572
	420	.922360	.927619	.931789	.935279	.939192	.941766	.946848	.948744	.952649
	425	.932565	.937474	.941352	.944587	.948201	.950571	.955229	.956960	.960512

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
460	430	.942710	.947238	.950797	.953755	.957044	.959193	.963393	.964946	.968117
	435	.952780	.956887	.960097	.962750	.965684	.967590	.971291	.972650	.975407
	440	.962753	.966389	.969208	.971522	.974061	.975699	.978848	.979993	.982297
	445	.972592	.975690	.978063	.979990	.982081	.983415	.985943	.986849	.988646
	450	.982232	.984688	.986533	.988004	.989568	.990547	.992356	.992987	.994207
	455	.991504	.993134	.994305	.995199	.996105	.996646	.997583	.997888	.998441
	460	.999515	.999771	.999888	.999945	.999978	.999989	.999998	.999999	1.000000
470	235	.518331	.528455	.536802	.544030	.552416	.558113	.569824	.574369	.584058
	240	.528947	.539055	.547385	.554595	.562956	.568634	.580299	.584824	.594467
	245	.539555	.549643	.557951	.565139	.573471	.579128	.590742	.595245	.604838
	250	.550154	.560217	.568500	.575663	.583963	.589595	.601153	.605632	.615170
	255	.560744	.570777	.579032	.586167	.594430	.600035	.611532	.615985	.625464
	260	.571326	.581324	.589547	.596650	.604873	.610449	.621879	.626304	.635719
	265	.581898	.591858	.600044	.607112	.615291	.620835	.632193	.636588	.645935
	270	.592462	.602378	.610523	.617554	.625685	.631194	.642475	.646838	.656113
	275	.603016	.612884	.620985	.627974	.636054	.641525	.652723	.657052	.666250
	280	.613561	.623376	.631429	.638373	.646397	.651828	.662939	.667231	.676348
	285	.624097	.633854	.641855	.648751	.656715	.662104	.673120	.677374	.686405
	290	.634624	.644318	.652263	.659107	.667008	.672350	.683268	.687481	.696422
	295	.645141	.654767	.662652	.669441	.677274	.682568	.693381	.697551	.706397
	300	.655648	.665202	.673022	.679752	.687513	.692757	.703458	.707584	.716330
	305	.666146	.675621	.683373	.690041	.697725	.702915	.713500	.717579	.726220
	310	.676633	.686025	.693704	.700306	.707910	.713043	.723505	.727534	.736066
	315	.687110	.696414	.704016	.710547	.718066	.723139	.733473	.737450	.745867
	320	.697577	.706787	.714307	.720764	.728194	.733204	.743403	.747325	.755623
	325	.708033	.717143	.724576	.730956	.738292	.743235	.753293	.757159	.765331
	330	.718478	.727482	.734825	.741122	.748359	.753233	.763143	.766949	.774991
	335	.728911	.737804	.745050	.751262	.758395	.763197	.772952	.776696	.784602
	340	.739332	.748108	.755253	.761374	.768399	.773124	.782717	.786397	.794161
	345	.749742	.758394	.765432	.771458	.778368	.783015	.792439	.796051	.803668
	350	.760139	.768660	.775587	.781512	.788304	.792867	.802114	.805656	.813119
	355	.770522	.778906	.785716	.791536	.798203	.802679	.811742	.815210	.822513
	360	.780922	.789131	.795818	.801529	.808064	.812449	.821320	.824711	.831847
	365	.791247	.799335	.805892	.811487	.817886	.822175	.830846	.834157	.841119
	370	.801588	.809515	.815936	.821411	.827665	.831856	.840317	.843545	.850326
	375	.811912	.819672	.825950	.831298	.837403	.841489	.849730	.852871	.859464
	380	.822220	.829803	.835931	.841146	.847094	.851071	.859082	.862133	.868529
	385	.832509	.839906	.845877	.850953	.856735	.860598	.868370	.871326	.877516
	390	.842780	.849981	.855786	.860716	.866325	.870068	.877589	.880446	.886421
	395	.853030	.860024	.865454	.870431	.875858	.879475	.886733	.889486	.895238
	400	.863258	.870034	.875480	.880094	.885330	.888815	.895798	.898442	.903959
	405	.873462	.880007	.885259	.889702	.894736	.898083	.904776	.907306	.912576
	410	.883640	.889940	.894987	.899249	.904071	.907271	.913658	.916068	.921080
	415	.893788	.899829	.904658	.908729	.913325	.916371	.922435	.924719	.929458
	420	.903904	.909669	.914265	.918133	.922490	.925372	.931096	.933245	.937697
	425	.913983	.919452	.923801	.927452	.931555	.934262	.939623	.941631	.945778
	430	.924020	.929171	.933254	.936673	.940503	.943024	.947999	.949855	.953678
	435	.934077	.938814	.942611	.945779	.949317	.951637	.956197	.957892	.961368
	440	.943934	.948367	.951853	.954749	.957969	.960072	.964184	.965704	.968807
	445	.953798	.957809	.960952	.963549	.966421	.968287	.971910	.973240	.975939
	450	.963548	.967108	.969868	.972132	.974618	.976221	.979303	.980424	.982678
	455	.973177	.976209	.978533	.980419	.982465	.983771	.986245	.987132	.988890
	460	.982610	.985014	.986820	.988260	.989791	.990750	.992519	.993137	.994332
	465	.991635	.993281	.994426	.995301	.996188	.996718	.997635	.997933	.998474
	470	.999525	.999776	.999891	.999946	.999979	.999989	.999998	.999999	1.000000

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
480	240	.518150	.528168	.536429	.543582	.551881	.557521	.569112	.573610	.583202
	245	.528546	.538549	.546793	.553928	.562204	.567824	.579372	.583851	.593399
	250	.538934	.548917	.557141	.564255	.572503	.578103	.589602	.594060	.603559
	255	.549313	.559272	.567472	.574563	.582780	.588356	.599801	.604237	.613684
	260	.559694	.569615	.577787	.584851	.593033	.598584	.609970	.614381	.623771
	265	.570046	.579945	.588086	.595120	.603264	.608786	.620109	.624493	.633827
	270	.580400	.590262	.598368	.605369	.613471	.618962	.630217	.634572	.643836
	275	.590746	.600566	.608634	.615598	.623654	.629113	.640293	.644618	.653813
	280	.601083	.610857	.618883	.625808	.633814	.639237	.650339	.654631	.663753
	285	.611411	.621134	.629115	.635997	.643951	.649335	.660353	.664610	.673655
	290	.621730	.631399	.639329	.646166	.654063	.659407	.670335	.674556	.683518
	295	.632041	.641650	.649527	.656314	.664151	.669451	.680285	.684467	.693343
	300	.642342	.651887	.659707	.666442	.674214	.679468	.690202	.694343	.703129
	305	.652635	.662110	.669869	.676548	.684251	.689457	.700085	.704184	.712875
	310	.662918	.672319	.680013	.686632	.694263	.699418	.709935	.713989	.722580
	315	.673192	.682514	.690013	.696695	.704249	.709350	.719751	.723757	.732244
	320	.683455	.692694	.700245	.706735	.714209	.719252	.729531	.733488	.741855
	325	.693710	.702859	.710333	.716752	.724141	.729125	.739275	.743180	.751444
	330	.703953	.713008	.720400	.726746	.734045	.738966	.748982	.752833	.760978
	335	.714187	.723142	.730447	.736715	.743921	.748776	.758652	.762446	.770467
	340	.724410	.733259	.740474	.746660	.753767	.758554	.768282	.772018	.779909
	345	.734621	.743360	.750478	.756579	.763583	.768297	.777872	.781547	.789304
	350	.744822	.753443	.760461	.766471	.773368	.778007	.787421	.791032	.798649
	355	.755010	.763508	.770420	.776336	.783120	.787680	.796927	.800471	.807942
	360	.765187	.773555	.780356	.786173	.792838	.797316	.806389	.809863	.817182
	365	.775350	.783582	.790267	.795980	.802522	.806913	.815804	.819206	.826367
	370	.785500	.793589	.800152	.805756	.812169	.816470	.825171	.828497	.835494
	375	.795637	.803575	.810010	.815500	.821777	.825985	.834488	.837735	.844561
	380	.805759	.813539	.819839	.825210	.831346	.835455	.843751	.846916	.853564
	385	.815864	.823479	.829638	.834884	.840872	.844878	.852958	.856038	.862500
	390	.825954	.833394	.839405	.844521	.850353	.854252	.862106	.865097	.871365
	395	.836027	.843283	.849138	.854117	.859786	.863573	.871192	.874089	.880155
	400	.846081	.853143	.858836	.863670	.869169	.872838	.880210	.883009	.888865
	405	.856115	.862974	.868494	.873177	.878497	.882042	.889156	.891853	.897488
	410	.866127	.872771	.878111	.882634	.887765	.891181	.898024	.900615	.906019
	415	.876116	.882533	.887682	.892036	.896970	.900250	.906807	.909286	.914449
	420	.886080	.892256	.897202	.901380	.906104	.909240	.915498	.917859	.922768
	425	.896015	.901936	.906668	.910657	.915161	.918145	.924086	.926323	.930965
	430	.905918	.911567	.916072	.919861	.924130	.926953	.932560	.934666	.939026
	435	.915785	.921144	.925405	.929482	.933002	.935653	.940905	.942871	.946932
	440	.925611	.930658	.934659	.938007	.941760	.944229	.949101	.950919	.954663
	445	.935388	.940098	.943818	.946921	.950386	.952659	.957124	.958784	.962188
	450	.945107	.949450	.952864	.955701	.958854	.960914	.964941	.966429	.969468
	455	.954755	.958693	.961771	.964315	.967128	.968955	.972503	.973805	.976447
	460	.964309	.967796	.970499	.972717	.975151	.976721	.979739	.980837	.983044
	465	.973737	.976707	.978982	.980829	.982833	.984112	.986534	.987403	.989124
	470	.982973	.985328	.987096	.988506	.990005	.990943	.992676	.993281	.994451
	475	.991858	.993421	.994543	.995399	.996268	.996786	.997684	.997977	.998506
	480	.999535	.999781	.999893	.999947	.999979	.999990	.999998	.999999	1.000000
490	245	.517975	.527891	.536067	.543147	.551363	.556946	.568421	.572874	.582372
	250	.528159	.538060	.546221	.553284	.561477	.567041	.578475	.582910	.592365
	255	.538335	.548218	.556359	.563402	.571569	.577113	.588500	.592915	.602324
	260	.548504	.558363	.566482	.573502	.581639	.587161	.598496	.602890	.612248
	265	.558664	.568497	.576589	.583584	.591687	.597185	.608464	.612834	.622137
	270	.568817	.578618	.586580	.593647	.601713	.607184	.618402	.622746	.631992
	275	.578961	.588727	.596756	.603691	.611718	.617159	.628311	.632628	.641812
	280	.589097	.598824	.606817	.613717	.621700	.627109	.638191	.642479	.651596
	285	.599225	.608908	.616861	.623723	.631659	.637035	.648042	.652298	.661345
	290	.609345	.618980	.626889	.633711	.641596	.646935	.657862	.662085	.671058

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
490	295	.619457	.629040	.636901	.643679	.651510	.656811	.667652	.671840	.680735
	300	.629560	.639086	.646897	.653628	.661401	.666660	.677411	.681563	.690375
	305	.639655	.649120	.656876	.663557	.671269	.676484	.687140	.691252	.699978
	310	.649741	.659140	.666838	.673466	.681113	.686281	.696837	.700908	.709544
	315	.659818	.669147	.676783	.683354	.690932	.696052	.706502	.710530	.719071
	320	.669887	.679140	.686711	.693222	.700727	.705795	.716134	.720118	.728558
	325	.679946	.689120	.696620	.703069	.710497	.715511	.725733	.729670	.738007
	330	.689995	.699085	.706512	.712893	.720241	.725198	.735298	.739185	.747414
	335	.700036	.709035	.716385	.722696	.729959	.734856	.744828	.748664	.756780
	340	.710066	.718971	.726238	.732476	.739650	.744485	.754323	.758105	.766103
	345	.720097	.728892	.736073	.742232	.749313	.754082	.763781	.767508	.775382
	350	.730097	.738796	.745886	.751965	.758947	.763649	.773202	.776870	.784616
	355	.740096	.748695	.755680	.761673	.768553	.773182	.782584	.786191	.793804
	360	.750094	.758557	.765451	.771355	.778128	.782683	.791925	.795469	.802944
	365	.760091	.768411	.775201	.781010	.787671	.792148	.801225	.804703	.812034
	370	.770026	.778247	.784927	.790639	.797182	.801578	.810482	.813891	.821072
	375	.779979	.788065	.794629	.800238	.806660	.810970	.819694	.823032	.830057
	380	.789919	.797862	.804306	.809907	.816101	.820322	.828860	.832122	.838986
	385	.799845	.807640	.813956	.819345	.825505	.829634	.837976	.841161	.847856
	390	.809757	.817395	.823579	.828850	.834871	.838902	.847040	.850145	.856664
	395	.819654	.827128	.833173	.838321	.844195	.848125	.856050	.859071	.865407
	400	.829535	.836837	.842735	.847754	.853475	.857300	.865003	.867935	.874081
	405	.839399	.846520	.852265	.857149	.862710	.866424	.873895	.876735	.882682
	410	.849246	.856175	.861760	.866501	.871894	.875492	.882721	.885465	.891205
	415	.859072	.865801	.871216	.875809	.881026	.884502	.891476	.894121	.899645
	420	.868878	.875395	.880632	.885068	.890100	.893449	.900156	.902696	.907993
	425	.878661	.884955	.890004	.894274	.899111	.902326	.908754	.911183	.916243
	430	.888419	.894476	.899326	.903422	.908054	.911128	.917261	.919575	.924386
	435	.898149	.903955	.908595	.912506	.916921	.919845	.925668	.927860	.932409
	440	.907848	.913387	.917803	.921518	.925703	.928469	.933964	.936027	.940299
	445	.917512	.922766	.926943	.930449	.933889	.936987	.942133	.944060	.948039
	450	.927136	.932083	.936005	.939287	.942964	.945384	.950158	.951939	.955607
	455	.936712	.941329	.944974	.948015	.951411	.953638	.958013	.959639	.962974
	460	.946232	.950488	.953834	.956613	.959703	.961722	.965666	.967125	.970101
	465	.955681	.959541	.962557	.965050	.967805	.969596	.973071	.974347	.976935
	470	.965040	.968457	.971105	.973278	.975663	.977200	.980157	.981232	.983394
	475	.974275	.977184	.979413	.981223	.983186	.984438	.986812	.987662	.989349
	480	.983321	.985628	.987361	.988742	.990210	.991129	.992827	.993419	.994565
	485	.992024	.993555	.994654	.995493	.996345	.996852	.997732	.998018	.998537
	490	.999545	.999785	.999895	.999948	.999979	.999990	.999998	.999999	1.000000
500	250	.517875	.527621	.535716	.542726	.550860	.556388	.567750	.572160	.581566
	255	.527786	.537588	.545668	.552661	.560773	.566284	.577606	.581999	.591363
	260	.537759	.547544	.555605	.562579	.570666	.576157	.587435	.591808	.601128
	265	.547725	.557488	.565527	.572480	.580538	.586007	.597236	.601588	.610860
	270	.557683	.567420	.575434	.582362	.590389	.595835	.607010	.611339	.620559
	275	.567634	.577341	.585327	.592228	.600219	.605639	.616756	.621061	.630225
	280	.577577	.587251	.595205	.602075	.610028	.615420	.626474	.630753	.639858
	285	.587512	.597148	.605067	.611905	.619816	.625178	.636164	.640415	.649457
	290	.597440	.607034	.614915	.621717	.629583	.634912	.645827	.650048	.659022
	295	.607360	.616908	.624748	.631510	.639329	.644623	.655460	.659650	.668553
	300	.617272	.626771	.634565	.641286	.649052	.654310	.665066	.669222	.678050
	305	.627176	.636621	.644366	.651043	.658754	.663972	.674642	.678763	.687513
	310	.637072	.646458	.654152	.660781	.668433	.673609	.684188	.688272	.696939
	315	.646960	.656283	.663922	.670500	.678090	.683222	.693705	.697750	.706331
	320	.656839	.666096	.673675	.680199	.687724	.692810	.703192	.707196	.715686

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
500	325	.666710	.675896	.683412	.689879	.697335	.702371	.712647	.716608	.725003
	330	.676572	.685682	.693133	.699539	.706922	.711907	.722072	.725988	.734284
	335	.686426	.695455	.702836	.709179	.716485	.721415	.731464	.735333	.743525
	340	.696270	.705215	.712521	.718798	.726073	.730896	.740823	.744643	.752728
	345	.706106	.714960	.722188	.728395	.735535	.740349	.750149	.753918	.761890
	350	.715931	.724691	.731837	.737970	.745022	.749773	.759441	.763156	.771012
	355	.725747	.734407	.741467	.747523	.754481	.759168	.768697	.772357	.780090
	360	.735553	.744108	.751078	.757052	.763914	.768532	.777916	.781519	.789125
	365	.745349	.753793	.760668	.766557	.773317	.777865	.787099	.790640	.798116
	370	.755134	.763462	.770237	.776038	.782692	.787165	.796242	.799721	.807059
	375	.764908	.773114	.779785	.785493	.792036	.796432	.805345	.808759	.815955
	380	.774670	.782748	.789311	.794921	.801348	.805664	.814406	.817752	.824800
	385	.784421	.792365	.798813	.804321	.810627	.814859	.823423	.826699	.833593
	390	.794159	.801962	.808290	.813693	.819872	.824016	.832395	.835597	.842332
	395	.803983	.811539	.817742	.823033	.829081	.833133	.841320	.844445	.851013
	400	.813594	.821095	.827167	.832347	.838251	.842208	.850194	.853240	.859635
	405	.823291	.830629	.836564	.841617	.847382	.851239	.859015	.861978	.868193
	410	.832972	.840140	.845930	.850856	.856470	.860223	.867781	.870657	.876685
	415	.842636	.849625	.855264	.860057	.865514	.869157	.876486	.879272	.885105
	420	.852283	.859084	.864565	.869217	.874509	.878038	.885128	.887820	.893449
	425	.861911	.868514	.873828	.878334	.883452	.886862	.893702	.896295	.901712
	430	.871518	.877913	.883051	.887403	.892339	.895623	.902202	.904692	.909886
	435	.881103	.887278	.892232	.896420	.901165	.904318	.910621	.913003	.917964
	440	.890664	.896606	.901364	.905381	.909924	.912938	.918952	.921221	.925937
	445	.900198	.905893	.910444	.914279	.918609	.921476	.927186	.929335	.933793
	450	.909701	.915134	.919465	.923108	.927211	.929923	.935310	.937333	.941520
	455	.919170	.924323	.928419	.931857	.935719	.938267	.943311	.945200	.949100
	460	.928600	.933451	.937297	.940515	.944120	.946492	.951171	.952917	.956512
	465	.937984	.942510	.946084	.949066	.952394	.954577	.958866	.960459	.963727
	470	.947311	.951484	.954764	.957489	.960518	.962496	.966363	.967792	.970709
	475	.956571	.960355	.963311	.965754	.968455	.970210	.973616	.974867	.977403
	480	.965741	.969090	.971687	.973816	.976153	.977660	.980558	.981612	.983730
	485	.974791	.977642	.979827	.981601	.983525	.984752	.987078	.987911	.989564
	490	.983656	.985916	.987614	.988968	.990407	.991308	.992971	.993552	.994674
	495	.992184	.993684	.994761	.995584	.996418	.996915	.997777	.998058	.998566
	500	.999554	.999789	.999897	.999949	.999980	.999990	.999998	.999999	1.000000
525	260	.512644	.522230	.530137	.536986	.544936	.550339	.561451	.565765	.574969
	270	.531657	.541218	.549097	.555916	.563826	.569199	.580238	.584520	.593650
	280	.550644	.560165	.568005	.574785	.582643	.587977	.598927	.603172	.612215
	290	.569603	.579072	.586860	.593592	.601387	.606674	.617520	.621720	.630662
	300	.588536	.597937	.605663	.612335	.620056	.625289	.636013	.640164	.648992
	310	.607441	.616761	.624413	.631015	.638650	.643820	.654407	.658501	.667202
	320	.626318	.635542	.643108	.649631	.657166	.662267	.672699	.676729	.685289
	330	.645167	.654279	.661747	.668179	.675604	.680626	.690887	.694847	.703252
	340	.663986	.672972	.680329	.686660	.693961	.698895	.708968	.712852	.721087
	350	.682775	.691619	.698851	.705069	.712235	.717072	.726937	.730738	.738789
	360	.701532	.710217	.717311	.723406	.730421	.735153	.744792	.748501	.756352
	370	.720256	.728765	.735707	.741665	.748515	.753132	.762526	.766136	.773771
	380	.738945	.747259	.754035	.759843	.766514	.771005	.780132	.783636	.791037
	390	.757597	.765698	.772290	.777934	.784411	.788766	.797604	.800993	.808142
	400	.776209	.784075	.790468	.795934	.802198	.806405	.814931	.818196	.825074
	410	.794778	.802388	.808562	.813834	.819867	.823915	.832103	.835233	.841820
	420	.813301	.820629	.826565	.831626	.837408	.841282	.849104	.852090	.858362
	430	.831771	.838792	.844667	.849298	.854807	.858492	.865918	.868747	.874679
	440	.850184	.856866	.862256	.866835	.872046	.875526	.882522	.885181	.890745
	450	.868530	.874840	.879916	.884218	.889104	.892359	.898886	.901359	.906525

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
525	460	.986800	.9897697	.9897425	.901423	.905950	.908958	.914970	.917242	.921971
	470	.904976	.910412	.914755	.918414	.922543	.925278	.930721	.932769	.937019
	480	.923038	.927953	.931860	.935138	.938821	.941250	.946057	.947857	.951573
	490	.940949	.945265	.948673	.951515	.954687	.956767	.960853	.962371	.965484
	500	.958646	.962252	.965070	.967398	.969971	.971643	.974887	.976078	.978494
	510	.975994	.978711	.980792	.982482	.984314	.985483	.987698	.988492	.990065
	520	.992557	.993996	.995011	.995795	.996589	.997063	.997883	.998151	.998635
550	260	.489760	.499138	.506881	.513595	.521395	.526701	.537625	.541871	.550937
	270	.507941	.517310	.525041	.531739	.539515	.544802	.555677	.559901	.568915
	280	.526097	.535447	.543155	.549828	.557571	.562831	.573643	.577840	.586789
	290	.544230	.553547	.561222	.567862	.575561	.580788	.591523	.595686	.604559
	300	.562339	.571612	.579243	.585841	.593485	.598672	.609316	.613441	.622225
	310	.580423	.589639	.597217	.603764	.611344	.616483	.627022	.631102	.639787
	320	.598494	.607630	.615144	.621631	.629135	.634221	.644639	.648670	.657243
	330	.616527	.625583	.633023	.639441	.646859	.651883	.662166	.666142	.674591
	340	.634531	.643499	.650853	.657192	.664514	.669469	.679602	.683516	.691829
	350	.652516	.661374	.668632	.674883	.682098	.686976	.696944	.700791	.708954
575	360	.670475	.679210	.686360	.692513	.699608	.704403	.714189	.717963	.725964
	370	.688476	.697003	.704034	.710079	.717043	.721745	.731334	.735028	.742853
	380	.706308	.714753	.721652	.727578	.734399	.739001	.748375	.751982	.759618
	390	.724190	.732458	.739212	.745008	.751673	.756166	.765307	.768821	.776252
	400	.742021	.750114	.756710	.762364	.768860	.773234	.782124	.785537	.792749
	410	.759829	.767720	.774143	.779644	.785956	.790201	.798819	.802125	.809100
	420	.777601	.785272	.791506	.796840	.802953	.807060	.815385	.818574	.825295
	430	.795334	.802764	.808795	.813947	.819844	.823801	.831811	.834875	.841323
	440	.813026	.820194	.826002	.830956	.836620	.840415	.848085	.851013	.857169
	450	.830671	.837553	.843119	.847859	.853269	.856890	.864191	.866975	.872815
575	460	.848265	.854834	.860135	.864643	.869778	.873208	.880112	.882738	.888238
	470	.865801	.872026	.877039	.881292	.886127	.889350	.895821	.898276	.903409
	480	.883269	.889116	.893811	.897785	.902291	.905288	.911287	.913557	.918289
	490	.900659	.906086	.910429	.914094	.918237	.920985	.926466	.928532	.932826
	500	.917951	.922908	.926858	.930179	.933918	.936389	.941294	.943136	.946946
	510	.935119	.939541	.943045	.945777	.949260	.951419	.955678	.957266	.960536
	520	.952118	.955919	.958906	.961386	.964143	.965942	.969459	.970759	.973411
	530	.969864	.973112	.974275	.976212	.978338	.979708	.982343	.983301	.985226
	540	.985144	.987700	.988744	.989975	.991283	.992102	.993614	.994141	.995162
	550	.999594	.999808	.999907	.999954	.999982	.999991	.999998	.999999	1.000000
575	260	.468825	.477990	.485565	.492138	.499780	.504984	.515706	.519878	.528792
	270	.486741	.495413	.502987	.509555	.517188	.522381	.533074	.537232	.546111
	280	.503636	.512803	.520368	.526923	.534536	.539713	.550365	.554503	.563336
	290	.521009	.530161	.537707	.544242	.551826	.556980	.567578	.571692	.580469
	300	.538361	.547486	.555005	.561512	.569058	.574183	.584714	.588799	.597508
	310	.555692	.564779	.572261	.578732	.586231	.591321	.601772	.605824	.614455
	320	.573001	.582040	.589476	.595902	.603345	.608394	.618752	.622765	.631309
	330	.590289	.599268	.606648	.613023	.620400	.625401	.635654	.639623	.648068
	340	.607555	.616462	.623778	.630092	.637395	.642342	.652476	.656396	.664731
	350	.624799	.633623	.640864	.647110	.654328	.659215	.669216	.673082	.681297
575	360	.642020	.650749	.657906	.664075	.671198	.676018	.685874	.689680	.697763
	370	.659217	.667839	.674903	.680985	.688004	.692750	.702446	.706188	.714128
	380	.676391	.684893	.691852	.697840	.704744	.709409	.718931	.722603	.730387
	390	.693539	.701909	.708753	.714636	.721415	.725992	.735325	.738920	.746537
	400	.710662	.718885	.725603	.731373	.738015	.742496	.751625	.755138	.762575
	410	.727758	.735821	.742400	.748046	.754540	.758918	.767825	.771250	.778493
	420	.744824	.752712	.759141	.764654	.770987	.775252	.783922	.787252	.794287
	430	.761861	.769558	.775824	.781191	.787350	.791495	.799909	.803137	.809950
	440	.778866	.786354	.792443	.797653	.803625	.807639	.815778	.818896	.825471
	450	.795935	.803098	.808995	.814034	.819804	.823678	.831521	.834522	.840842

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
575	460	.812767	.819785	.825474	.830329	.835880	.839603	.847128	.850003	.856049
	470	.829659	.836409	.841872	.846527	.851843	.855402	.862585	.865324	.871077
	480	.846503	.852963	.858181	.862620	.867680	.871062	.877875	.880469	.885906
	490	.863297	.869439	.874389	.878593	.883375	.886567	.892979	.895415	.900512
	500	.880032	.885826	.890483	.894430	.898909	.901892	.907870	.910135	.914862
	510	.896698	.902107	.906443	.910107	.914254	.917008	.922511	.924589	.928915
	520	.913280	.918263	.922241	.925591	.929371	.931874	.936853	.938726	.942610
	530	.929760	.934261	.937837	.940837	.944205	.946426	.950822	.952466	.955861
	540	.946103	.950052	.953169	.955768	.958668	.960569	.964303	.965689	.968532
	550	.962252	.965550	.968126	.970253	.972604	.974131	.977094	.978182	.980387
600	560	.978096	.980569	.982470	.984013	.985687	.986754	.988776	.989500	.990937
	570	.993205	.994510	.995446	.996161	.996886	.997319	.998068	.998312	.998754
	260	.449601	.458552	.465957	.472387	.477869	.484967	.495480	.499573	.508327
	270	.466313	.475283	.482698	.489132	.496615	.501709	.512210	.516296	.525079
	280	.483006	.491984	.499400	.505832	.513306	.518393	.528869	.532943	.541645
	290	.499690	.508666	.516065	.522487	.529945	.535018	.545459	.549516	.558178
	300	.516335	.525299	.532693	.539098	.546532	.551595	.561979	.566015	.574627
	310	.532971	.541913	.549284	.555664	.563066	.568094	.578429	.582440	.590993
	320	.549587	.558498	.565837	.572186	.579547	.584545	.594810	.598791	.607275
	330	.566195	.575054	.582353	.589664	.596976	.600937	.611121	.615067	.623474
625	340	.582763	.591580	.598832	.605097	.612351	.617271	.627361	.631269	.639588
	350	.599322	.608077	.615272	.621484	.629672	.633545	.643530	.647394	.655616
	360	.615860	.624543	.631673	.637825	.644939	.649758	.659626	.663443	.671558
	370	.632379	.640979	.648035	.654119	.661150	.665910	.675649	.679413	.687410
	380	.648876	.657383	.664356	.670365	.677304	.681998	.691596	.695303	.703173
	390	.665353	.673755	.680636	.686562	.693400	.698022	.707466	.711110	.718843
	400	.681807	.690093	.696873	.702708	.709435	.713979	.723256	.726833	.734416
	410	.698239	.706397	.713066	.718801	.725007	.729867	.738963	.742467	.749891
	420	.714647	.722665	.729213	.734839	.741315	.745683	.754584	.758010	.765262
	430	.731031	.738895	.745312	.750820	.757154	.761424	.770115	.773457	.780526
650	440	.747389	.755086	.761360	.766740	.772922	.777086	.785552	.788804	.795676
	450	.763719	.771234	.777354	.782597	.788615	.792664	.800889	.804044	.810707
	460	.780019	.787339	.793291	.798385	.804227	.808154	.816119	.819171	.825610
	470	.796289	.803396	.809167	.814101	.819753	.823548	.831235	.834177	.840376
	480	.812524	.819401	.824977	.829738	.835185	.838838	.846227	.849052	.854994
	490	.828723	.835349	.840715	.845290	.850515	.854016	.861085	.863783	.869451
	500	.844880	.851236	.856373	.860746	.865733	.869069	.875794	.878356	.883730
	510	.860992	.867052	.871941	.876096	.880825	.883984	.890337	.892752	.897810
	520	.877052	.882799	.887408	.891325	.895774	.898740	.904691	.906948	.911665
	530	.893051	.898436	.902758	.906414	.910558	.913314	.918827	.920912	.925258
675	540	.908979	.913973	.917968	.921338	.925146	.927671	.932704	.934601	.938543
	550	.924819	.929377	.933007	.936059	.939493	.941762	.946265	.947954	.951450
	560	.940546	.944610	.947828	.950520	.953534	.955515	.959423	.960880	.963878
	570	.956121	.959611	.962353	.964629	.967158	.968809	.972034	.973225	.975656
	580	.971465	.974262	.976429	.978206	.980155	.981412	.983827	.984705	.986469
	590	.986384	.988270	.989685	.990813	.992013	.992763	.994149	.994632	.995567
	600	.999628	.999824	.999915	.999958	.999983	.999992	.999998	.999999	1.000000
	310	.512026	.520814	.528063	.534344	.541636	.546594	.556793	.560755	.569211
	320	.528002	.536772	.544002	.550262	.557526	.562462	.572610	.576550	.584953
	330	.543961	.552704	.559907	.566140	.573368	.578278	.588364	.592277	.600620
700	340	.559902	.568610	.575778	.581978	.589163	.594041	.604055	.607938	.616211
	350	.575826	.584489	.591616	.597775	.604910	.609751	.619683	.623531	.631726
	360	.591733	.600341	.607419	.613532	.620609	.625407	.635246	.639056	.647164
	370	.607622	.616167	.623187	.629247	.636258	.641009	.650744	.654511	.662524
	380	.623492	.631965	.638920	.644920	.651858	.656557	.666177	.669897	.677805
	390	.639344	.647734	.654617	.660551	.667407	.672047	.681542	.685211	.693006
	400	.655177	.663475	.670277	.676137	.682903	.687480	.696838	.700451	.708123

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
625	410	.670991	.679187	.685899	.691678	.698346	.702854	.712063	.715617	.723156
	420	.686785	.694868	.701482	.707173	.713735	.718167	.727215	.730704	.738101
	430	.702558	.710517	.717025	.722619	.729065	.733417	.742297	.745711	.752955
	440	.718309	.726134	.732525	.738016	.744337	.748601	.757290	.760634	.767715
	450	.734038	.741716	.747981	.753360	.759546	.763717	.772206	.775470	.782377
	460	.749743	.757262	.763391	.768649	.774690	.778760	.787035	.790215	.796935
	470	.765423	.772770	.778753	.783879	.789765	.793727	.801773	.804862	.811383
	480	.781076	.788237	.794062	.799048	.804767	.808617	.816414	.819406	.825716
	490	.796701	.803661	.809316	.814151	.819691	.823412	.830952	.833835	.839924
	500	.812295	.819038	.824509	.829182	.834529	.838117	.845377	.848154	.853998
	510	.827856	.834365	.839638	.844136	.849276	.852721	.859681	.862339	.867926
	520	.843390	.849635	.854694	.859004	.863922	.867213	.873851	.876382	.881694
	530	.858852	.864843	.869671	.873777	.878454	.881580	.887873	.890267	.895284
	540	.874299	.879981	.884558	.888443	.892860	.895807	.901726	.903974	.908674
	550	.889632	.895038	.899341	.902985	.907120	.909873	.915387	.917476	.921833
	560	.905003	.910000	.914002	.917384	.921210	.923750	.928823	.930738	.934723
	570	.920249	.924848	.928518	.931608	.935093	.937399	.941987	.943712	.947289
	580	.935401	.939553	.942850	.945615	.948719	.950765	.954812	.956327	.959452
	590	.950429	.954070	.956942	.959335	.962006	.963757	.967193	.968470	.971085
	600	.965281	.968318	.970690	.972649	.974813	.976218	.978945	.979945	.981974
650	610	.979842	.982128	.983878	.985298	.986838	.987820	.989680	.990347	.991668
	620	.993749	.994949	.995811	.996469	.997136	.997534	.998223	.998447	.998854
	310	.492659	.501295	.508408	.514583	.521757	.526639	.536689	.540597	.548942
	320	.508041	.516661	.523774	.529937	.537094	.541961	.551976	.555867	.564173
	330	.523408	.532013	.539110	.545255	.552388	.557236	.567206	.571077	.579337
	340	.538758	.547342	.554415	.560537	.567639	.572463	.582379	.586227	.594432
	350	.554093	.562646	.569689	.575783	.582847	.587643	.597494	.601315	.609459
	360	.569413	.577927	.584933	.590991	.598011	.602774	.612552	.616343	.624417
	370	.584716	.593183	.600146	.606163	.613131	.617858	.627553	.631309	.639305
	380	.600004	.608415	.615328	.621298	.628208	.632892	.642495	.646212	.654123
	390	.615275	.623622	.630478	.636395	.642339	.647877	.657377	.661053	.668870
	400	.630520	.638804	.645595	.651453	.658225	.662811	.672199	.675829	.683544
	410	.645767	.653960	.660680	.666472	.673164	.677694	.686959	.690539	.698145
	420	.660987	.669090	.675730	.681451	.688056	.692523	.701656	.705182	.712669
	430	.676190	.684193	.690746	.696389	.702898	.707299	.716288	.719757	.727116
	440	.691374	.699267	.705726	.711283	.717690	.722018	.730853	.734259	.741482
	450	.706539	.714313	.720669	.726134	.732430	.736680	.745349	.748688	.755765
	460	.721684	.729329	.735573	.740938	.747114	.751281	.759772	.763041	.769961
	470	.736809	.744313	.750437	.755695	.761742	.765820	.774120	.777313	.784067
	480	.751912	.759264	.765259	.770401	.776310	.780292	.788389	.791501	.798078
	490	.766991	.774180	.780036	.785053	.790816	.794694	.802575	.805600	.811989
	500	.782047	.789050	.794765	.799650	.805254	.809023	.816671	.819605	.825794
650	510	.797077	.803899	.809443	.814186	.819620	.823272	.830674	.833509	.839486
	520	.812078	.818696	.824067	.828656	.833910	.837436	.844574	.847305	.853055
	530	.827050	.833447	.838632	.843057	.848116	.851508	.858364	.860984	.866493
	540	.841988	.848148	.853132	.857380	.862231	.865478	.872033	.874534	.879785
	550	.856889	.862792	.867560	.871618	.876244	.879337	.885569	.887942	.892918
	560	.871749	.877373	.881908	.885760	.890144	.893070	.898954	.901190	.905871
	570	.886561	.891883	.896164	.899793	.903915	.906661	.912169	.914257	.918619
	580	.901319	.906310	.910313	.913699	.917535	.920085	.925185	.927113	.931131
	590	.916012	.920638	.924336	.927454	.930977	.933313	.937966	.939720	.943362
	600	.930625	.934844	.938203	.941025	.944200	.946298	.950459	.952020	.955249
	610	.945136	.948895	.951870	.954358	.957144	.958974	.962584	.963930	.966698
	620	.959507	.962733	.965266	.967369	.969705	.971230	.974208	.975308	.977552
	630	.973665	.976249	.978251	.979892	.981692	.982852	.985081	.985892	.987520
	640	.987433	.989174	.990481	.991523	.992630	.993322	.994601	.995048	.995910
	650	.999657	.999838	.999921	.999961	.999985	.999992	.999998	.999999	1.000000

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	r	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
675	310	.474699	.483161	.490153	.496218	.503271	.508072	.517965	.521813	.530039
	320	.489529	.497994	.504985	.511046	.518090	.522882	.532753	.536591	.544789
	330	.504345	.512306	.519789	.525840	.532869	.537650	.547489	.551312	.559476
	340	.519146	.527596	.534565	.540602	.547609	.552373	.562173	.565979	.574101
	350	.533933	.542364	.549313	.555330	.562311	.567054	.576805	.580590	.588664
	360	.548706	.557111	.564034	.570025	.576973	.581691	.591385	.595146	.603165
	370	.563465	.571836	.578727	.584687	.591595	.596285	.605913	.609647	.617603
	380	.578209	.586539	.593392	.599316	.606178	.610834	.620389	.624092	.631978
	390	.592939	.601220	.608029	.613911	.620721	.625340	.634812	.638480	.646290
	400	.607654	.615878	.622636	.628471	.635223	.639800	.649180	.652811	.660537
	410	.622354	.630514	.637215	.642997	.649685	.654215	.663495	.667085	.674719
	420	.637039	.645127	.651764	.657488	.664104	.668584	.677754	.681299	.688834
	430	.651708	.659716	.666282	.671942	.678480	.682905	.691956	.695452	.702880
	440	.666361	.674280	.680770	.686360	.692813	.697177	.706099	.709544	.716858
	450	.680998	.688820	.695225	.700739	.707100	.711400	.720184	.723573	.730763
	460	.695618	.703334	.709647	.715079	.721341	.725571	.734206	.737535	.744594
	470	.710221	.717821	.724035	.729378	.735533	.739689	.748164	.751430	.758349
	480	.724805	.732281	.738388	.743635	.749675	.753751	.762056	.765254	.772024
	490	.739370	.746712	.752704	.757848	.763765	.767755	.775879	.779004	.785616
	500	.753916	.761112	.766980	.772014	.777800	.781699	.789629	.792677	.799121
	510	.768440	.775480	.781216	.786131	.791777	.795578	.803303	.806269	.812534
	520	.782942	.789815	.795408	.800197	.805693	.809390	.816895	.819774	.825850
	530	.797420	.804113	.809553	.814208	.819543	.823129	.830400	.833187	.839062
	540	.811873	.818372	.823649	.828159	.833323	.836791	.843813	.846501	.852162
	550	.826298	.832590	.837691	.842046	.847027	.850368	.857125	.859708	.865142
	560	.840693	.846761	.851674	.855863	.860648	.863854	.870328	.872799	.877991
	570	.855054	.860882	.865592	.869603	.874178	.877239	.883409	.885761	.890695
	580	.869379	.874946	.879438	.883257	.887606	.890510	.896356	.898580	.903237
	590	.883661	.888947	.893202	.896813	.900918	.903655	.909150	.911236	.915598
	600	.897896	.902874	.906872	.910258	.914097	.916653	.921770	.923707	.927749
	610	.912073	.916715	.920432	.923570	.927121	.929478	.934183	.935959	.939654
	620	.926182	.930451	.933857	.936724	.939957	.942096	.946349	.947948	.951263
	630	.940204	.944056	.947115	.949678	.952556	.954453	.958204	.959607	.962502
	640	.954113	.957489	.960151	.962370	.964845	.966467	.969651	.970833	.973255
	650	.967859	.970674	.972872	.974687	.976692	.977994	.980519	.981445	.983323
	660	.981338	.983456	.985077	.986392	.987818	.988727	.990450	.991066	.992289
	670	.994212	.995324	.996122	.996731	.997349	.997717	.998355	.998563	.998939
700	310	.457998	.466295	.473155	.479110	.486037	.490756	.500485	.504273	.512372
	320	.472314	.480622	.487487	.493444	.500370	.505086	.514804	.518585	.526667
	330	.486616	.494929	.501794	.507748	.514667	.519376	.529074	.532846	.540904
	340	.500906	.509216	.516075	.522021	.528928	.533626	.543297	.547057	.555084
	350	.515182	.523483	.530332	.536265	.543153	.547837	.557473	.561217	.569208
	360	.529445	.537731	.544562	.550478	.557343	.562008	.571601	.575327	.583274
	370	.543696	.551959	.558768	.564661	.571496	.576140	.585682	.589386	.597284
	380	.557933	.566167	.572948	.578814	.585614	.590231	.599716	.603395	.611236
	390	.572158	.580355	.587102	.592936	.599696	.604283	.613701	.617353	.625131
	400	.586369	.594523	.601231	.607028	.613741	.618295	.627639	.631259	.638969
	410	.600567	.608671	.615333	.621088	.627749	.632266	.641527	.645114	.652747
	420	.614751	.622798	.629410	.635117	.641720	.646196	.655366	.658916	.666467
	430	.628921	.636904	.643459	.649114	.655654	.660083	.669155	.672664	.680126
	440	.643078	.650989	.657481	.663079	.669548	.673928	.682893	.686358	.693723
	450	.657220	.665052	.671474	.677010	.683403	.687729	.696578	.699997	.707258
	460	.671347	.679093	.685440	.690907	.697217	.701485	.710210	.713578	.720729
	470	.685459	.693110	.699375	.704768	.710990	.715196	.723786	.727101	.734133
	480	.699556	.707104	.713280	.718594	.724720	.728858	.737305	.740563	.747469
	490	.713636	.721073	.727154	.732382	.738405	.742472	.750766	.753962	.760734
	500	.727700	.735017	.740995	.746130	.752044	.756034	.764165	.767296	.773926

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
700	510	.741746	.748934	.754801	.759838	.765634	.769542	.777500	.780562	.787040
	520	.755773	.762823	.768572	.773504	.779174	.782995	.790768	.793756	.800075
	530	.769782	.776682	.782304	.787124	.792661	.796389	.803966	.806876	.813025
	540	.783769	.790510	.795997	.800697	.806091	.809720	.817089	.819916	.825885
	550	.797735	.804305	.809648	.814219	.819461	.822985	.830132	.832872	.838650
	560	.811678	.818065	.823252	.827637	.832767	.836178	.843091	.845737	.851313
	570	.825595	.831786	.836808	.841096	.846003	.849295	.855957	.858505	.863867
	580	.839485	.845465	.850310	.854442	.859164	.862329	.868724	.871166	.876300
	590	.853345	.859099	.863753	.867717	.872242	.875271	.881381	.883711	.888602
	600	.867171	.872681	.877131	.880915	.885228	.888111	.893916	.896126	.900759
	610	.880960	.886207	.890435	.894025	.898110	.900836	.906315	.908396	.912752
	620	.894705	.899667	.903556	.907037	.910875	.913431	.918558	.920501	.924558
	630	.908401	.913051	.916779	.919932	.923502	.925875	.930619	.932413	.936148
	640	.922037	.926344	.929786	.932639	.935966	.938138	.942465	.944095	.947481
	650	.935600	.939525	.942650	.945275	.948228	.950178	.954046	.955497	.958497
	660	.949068	.952564	.955331	.957644	.960233	.961934	.965288	.966538	.969109
	670	.962407	.965406	.967761	.969715	.971885	.973302	.976068	.977090	.979174
	680	.975550	.977951	.979811	.981335	.983007	.984085	.986155	.986907	.988419
	690	.988332	.989949	.991163	.992130	.993158	.993801	.994989	.995403	.996204
	700	.999681	.999849	.999927	.999964	.999986	.999993	.999999	.999999	1.000000
725	360	.511485	.519646	.526378	.532212	.538987	.543594	.553074	.556758	.564623
	370	.525261	.533408	.540126	.545945	.552699	.557289	.566732	.570399	.578225
	380	.539024	.547152	.553851	.559650	.566378	.570949	.580346	.583994	.591775
	390	.552776	.560878	.567552	.573327	.580024	.584572	.593917	.597542	.605273
	400	.566516	.574586	.581230	.586977	.593637	.598159	.607444	.611044	.618718
	410	.580243	.588276	.594885	.600598	.607217	.611708	.620927	.624499	.632110
	420	.593959	.601947	.608516	.614131	.620763	.625221	.634365	.637907	.645450
	430	.607662	.615599	.622122	.627755	.634276	.638696	.647758	.651267	.658735
	440	.621352	.629232	.635704	.641291	.647754	.652133	.661106	.664578	.671965
	450	.635030	.642846	.649262	.654797	.661197	.665531	.674407	.677840	.685139
	460	.648695	.656440	.662794	.668273	.674604	.678890	.687661	.691052	.698257
	470	.662346	.670014	.676300	.681717	.687974	.692208	.700867	.704212	.711317
	480	.675984	.683567	.689779	.695130	.701307	.705484	.714022	.717319	.724316
	490	.689608	.697099	.703232	.708511	.714601	.718718	.727127	.730371	.737255
	500	.703218	.710609	.716656	.721858	.727856	.731908	.740179	.743368	.750130
	510	.716812	.724096	.730050	.735170	.741069	.745052	.753176	.756306	.762940
	520	.730391	.737559	.743415	.748445	.754240	.758149	.766117	.769185	.775682
	530	.743954	.750998	.756748	.761635	.767365	.771196	.778998	.782000	.788353
	540	.757499	.764410	.770047	.774884	.780444	.784192	.791817	.794749	.800949
	550	.771027	.777796	.783312	.788041	.793474	.797133	.804572	.807429	.813468
	560	.784536	.791153	.796540	.801154	.806452	.810017	.817257	.820036	.825904
	570	.798025	.804479	.809728	.814221	.819374	.822839	.829869	.832565	.838252
	580	.811492	.817773	.822875	.827238	.832238	.835596	.842404	.845011	.850506
	590	.824937	.831031	.835977	.840202	.845038	.848283	.854853	.857367	.862660
	600	.838356	.844252	.849030	.853107	.857768	.860894	.867212	.869626	.874704
	610	.851748	.857430	.862029	.865948	.870424	.873421	.879471	.881779	.886628
	620	.865109	.870563	.874969	.878719	.882996	.885856	.891620	.893815	.898421
	630	.878437	.883644	.887843	.891412	.895475	.898188	.903645	.905721	.910067
	640	.891726	.896666	.900642	.904015	.907848	.910403	.915531	.917477	.921545
	650	.904971	.909621	.913355	.916516	.920099	.922483	.927257	.929063	.932831
	660	.918163	.922497	.925956	.928835	.932207	.934406	.938793	.940448	.943891
	670	.931292	.935276	.938454	.941123	.944142	.946136	.950100	.951591	.954679
	680	.944342	.947935	.950787	.953177	.955859	.957627	.961122	.962429	.965125
	690	.957287	.960434	.962916	.964983	.967289	.968800	.971766	.972867	.975122
	700	.970081	.972704	.974752	.976442	.978310	.979522	.981874	.982736	.984484

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
725	710	.982627	.984609	.986110	.987334	.988662	.989509	.991112	.991686	.992825
	720	.994612	.995647	.996390	.996957	.997532	.997875	.998469	.998662	.999013
750	360	.494699	.502730	.509350	.515109	.521788	.526333	.535691	.539330	.547103
	370	.508030	.516055	.522678	.528417	.535083	.539617	.548948	.552574	.560318
750	380	.521350	.529364	.535975	.541701	.548348	.552867	.562165	.565776	.573485
	390	.534658	.542656	.549250	.554958	.561583	.566085	.575341	.578936	.586604
750	400	.547956	.555932	.562503	.568191	.574788	.579269	.588478	.592053	.599675
750	410	.561243	.569191	.575735	.581338	.587962	.592419	.601575	.605127	.612698
	420	.574518	.582433	.588947	.594579	.601106	.605536	.614632	.618158	.625672
750	430	.587783	.595658	.602136	.607734	.614219	.618619	.627647	.631146	.638598
	440	.601036	.608866	.615303	.620854	.627302	.631668	.640622	.644091	.651475
750	450	.614278	.622056	.628447	.633956	.640352	.644681	.653555	.656990	.664301
750	460	.627508	.635229	.641570	.647042	.653371	.657660	.666446	.669845	.677076
	470	.640727	.648384	.654669	.660093	.666358	.670602	.679293	.682654	.689830
750	480	.653933	.661521	.667744	.673110	.679311	.683508	.692097	.695417	.702471
	490	.667127	.674638	.680796	.686102	.692230	.696376	.704856	.708131	.715089
750	500	.680309	.687737	.693823	.699064	.705114	.709206	.717568	.720797	.727650
750	510	.693477	.700816	.706824	.711996	.717963	.721996	.730233	.733412	.740155
	520	.706632	.713874	.719800	.724897	.730774	.734745	.742849	.745974	.752601
750	530	.719773	.726911	.732748	.737756	.743548	.747451	.754415	.757483	.764987
	540	.732900	.739927	.745558	.750501	.756281	.760114	.767928	.770936	.777309
750	550	.746012	.752919	.758558	.763401	.768973	.772731	.780386	.783331	.789565
750	560	.759107	.765888	.771418	.775154	.781622	.785300	.792786	.795665	.801753
	570	.772187	.778831	.784246	.788893	.794225	.797819	.805126	.807934	.813868
750	580	.785249	.791748	.797040	.801574	.806780	.810284	.817403	.820136	.825907
	590	.798292	.804636	.809797	.814215	.819285	.822693	.829612	.832266	.837865
750	600	.811316	.817495	.822515	.826811	.831734	.835042	.841749	.844319	.849737
750	610	.824318	.830321	.835194	.839958	.844125	.847326	.853809	.856290	.861515
	620	.837298	.843112	.847826	.851851	.856453	.859541	.865785	.868172	.873194
750	630	.850252	.855865	.860410	.864285	.868713	.871679	.877670	.879957	.884764
	640	.863179	.868576	.872940	.876555	.880896	.883733	.889454	.891635	.896213
750	650	.876075	.881241	.885410	.889555	.892995	.895694	.901128	.903195	.907529
750	660	.888936	.893853	.897813	.901175	.904999	.907550	.912675	.914622	.918695
	670	.901758	.906405	.910139	.913303	.916894	.919286	.924080	.925896	.929689
750	680	.914534	.918886	.922375	.925324	.928663	.930882	.935317	.936993	.940484
	690	.927255	.931284	.934504	.937213	.940281	.942312	.946355	.947878	.951040
750	700	.939908	.943579	.946500	.948954	.951713	.953536	.957149	.958503	.961305
750	710	.952474	.955741	.958327	.960439	.962907	.964496	.967628	.968795	.971195
	720	.964920	.967722	.969921	.971745	.973773	.975096	.977678	.978632	.980577
750	730	.977184	.979426	.981162	.982586	.984146	.985152	.987085	.987787	.989198
	740	.989111	.990620	.991754	.992656	.993616	.994216	.995324	.995711	.996458
750	750	.999703	.999860	.999932	.999956	.999987	.999993	.999999	.999999	1.000000
775	360	.478977	.486875	.493401	.499061	.505642	.510121	.519352	.522943	.530618
	370	.491890	.499790	.506313	.511970	.518543	.523016	.532228	.535811	.543465
775	380	.504793	.512689	.519207	.524955	.531417	.535880	.545068	.548640	.556267
	390	.517685	.525573	.532080	.537718	.544263	.548714	.557872	.561430	.569025
775	400	.530568	.538442	.544934	.550556	.557082	.561517	.570638	.574180	.581740
775	410	.543441	.551296	.557769	.563372	.569872	.574289	.583368	.586892	.594410
	420	.556304	.564134	.570583	.575154	.582635	.587030	.596061	.599564	.607036
775	430	.569156	.576956	.583378	.588932	.595373	.599740	.608716	.612197	.619617
	440	.581998	.589763	.596153	.601676	.608076	.612419	.621335	.624790	.632153
775	450	.594830	.602555	.608907	.614397	.620754	.625067	.633915	.637343	.644644
775	460	.607651	.615330	.621542	.627093	.633404	.637683	.646458	.649856	.657090
	470	.620462	.628089	.634355	.639755	.646024	.650266	.658961	.662327	.669489
775	480	.633262	.640832	.647048	.652411	.658614	.662817	.671426	.674756	.681840
	490	.646051	.653558	.659719	.665032	.671174	.675334	.683850	.687143	.694144
775	500	.658829	.666267	.672368	.677627	.683704	.687817	.696233	.699486	.706399

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
775	510	.671596	.678959	.684995	.690195	.696201	.700265	.708575	.711785	.718603
	520	.684350	.691633	.697599	.702736	.708667	.712677	.720874	.724038	.730756
	530	.697093	.704288	.710179	.715249	.721099	.725052	.733128	.736244	.742856
	540	.709823	.716925	.722735	.727733	.733496	.737393	.745337	.748402	.754901
	550	.722540	.729541	.735265	.740187	.745858	.749688	.757499	.760509	.766889
	560	.735244	.742138	.747770	.752613	.758183	.761945	.769612	.772565	.778819
	570	.747934	.754713	.760247	.765033	.770470	.774159	.781674	.784566	.790688
	580	.760609	.767266	.772596	.777355	.782716	.786329	.793683	.796511	.802493
	590	.773269	.779795	.785115	.789677	.794920	.798452	.805635	.808395	.814231
	600	.785912	.792300	.797502	.801950	.807083	.810526	.817529	.820218	.825898
	610	.798539	.804779	.809856	.814233	.819192	.822548	.829360	.831973	.837490
	620	.811147	.817230	.822174	.826434	.831254	.834514	.841125	.843658	.849002
	630	.823736	.829651	.834454	.838553	.843262	.846420	.852818	.855268	.860429
	640	.836303	.842040	.846593	.850555	.855212	.858262	.864435	.866795	.871764
	650	.848848	.854394	.858887	.862713	.867099	.870035	.875968	.878234	.882998
	660	.861367	.866710	.871032	.874714	.878917	.881731	.887409	.889575	.894123
	670	.873859	.878983	.883122	.886544	.890658	.893342	.898749	.900808	.905127
	680	.886319	.891210	.895152	.898531	.902313	.904858	.909976	.911922	.915995
	690	.898744	.903382	.907113	.910277	.913871	.916267	.921074	.922898	.926709
	700	.911128	.915492	.918994	.921957	.925317	.927551	.932024	.933716	.937245
	710	.923464	.927528	.930781	.933526	.936630	.938689	.942799	.944349	.947573
	720	.935741	.939475	.942453	.944959	.947782	.949650	.953362	.954757	.957647
	730	.947944	.951311	.953982	.956221	.958732	.960387	.963659	.964882	.967405
	740	.960050	.962997	.965321	.967237	.969416	.970830	.973605	.974635	.976746
	750	.972015	.974471	.976388	.977973	.979718	.980852	.983052	.983859	.985495
	760	.983750	.985596	.987009	.988155	.989397	.990189	.991689	.992226	.993291
	770	.994959	.995928	.996623	.997134	.997692	.998012	.998568	.998749	.999076
800	360	.464220	.471985	.478405	.483975	.490455	.494868	.503967	.507508	.515081
	370	.476740	.484513	.490935	.496537	.502985	.507395	.516483	.520020	.527578
	380	.489251	.497027	.503449	.509317	.515489	.519894	.528966	.532494	.540034
	390	.501753	.509527	.515944	.521536	.527968	.532363	.541414	.544933	.552448
	400	.514246	.522012	.528420	.533972	.540420	.544805	.553829	.557335	.564822
	410	.526729	.534484	.540879	.546418	.552847	.557218	.566209	.569702	.577156
	420	.539203	.546941	.553319	.558841	.565249	.569603	.578556	.582032	.589448
	430	.551667	.559384	.565741	.571243	.577624	.581959	.590868	.594326	.601700
	440	.564123	.571813	.578145	.583623	.589974	.594287	.603147	.606583	.613910
	450	.576568	.584227	.590531	.595981	.602298	.606586	.615390	.618804	.626080
	460	.589005	.596627	.602897	.608317	.614596	.618856	.627600	.630988	.638207
	470	.601432	.609012	.615246	.620631	.626867	.631097	.639774	.643135	.650293
	480	.613849	.621383	.627575	.632922	.639112	.643308	.651912	.655244	.662335
	490	.626256	.633738	.639885	.645191	.651329	.655489	.664015	.667314	.674335
	500	.638653	.646079	.652175	.657436	.663519	.667640	.676081	.679346	.686291
	510	.651040	.658403	.664446	.669657	.675680	.679759	.688109	.691338	.698201
	520	.663416	.670712	.676696	.681854	.687813	.691846	.700100	.703289	.710067
	530	.675782	.683005	.688925	.694026	.699916	.703901	.712051	.715199	.721885
	540	.688137	.695280	.701132	.706172	.711983	.715923	.723962	.727066	.733655
	550	.700480	.707539	.713318	.718293	.724031	.727910	.735833	.738890	.745376
	560	.712812	.719780	.725481	.730386	.736041	.739861	.747660	.750668	.757046
	570	.725132	.732003	.737621	.742451	.748318	.751776	.759444	.762399	.768663
	580	.737439	.744206	.749736	.754488	.759960	.763653	.771182	.774082	.780225
	590	.749733	.756390	.761826	.766494	.771866	.775490	.782873	.785714	.791730
	600	.762014	.768553	.773889	.778468	.783735	.787286	.794514	.797294	.803176
	610	.774281	.780695	.785924	.790439	.795565	.799038	.806103	.808818	.814560
	620	.786532	.792813	.797930	.802315	.807353	.810744	.817637	.820284	.825877
	630	.798767	.804908	.809905	.814185	.819097	.822402	.829114	.831689	.837126
	640	.810986	.816976	.821847	.826015	.830795	.834009	.840528	.843027	.848300
	650	.823187	.829017	.833754	.837834	.842443	.845560	.851877	.854296	.859395

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
800	660	.835368	.841029	.845623	.849547	.854038	.857053	.863155	.865490	.870406
	670	.847528	.853008	.857450	.851241	.865575	.868481	.874356	.876601	.881324
	680	.859665	.864953	.869233	.872831	.877048	.879839	.885473	.887624	.892142
	690	.871776	.876859	.880966	.884453	.888451	.891119	.896498	.898548	.902850
	700	.883859	.888721	.892544	.895979	.899777	.902314	.907421	.909363	.913434
	710	.895911	.900536	.904250	.907421	.911015	.913412	.918227	.920055	.923879
	720	.907926	.912294	.915805	.918778	.922152	.924399	.928900	.930606	.934166
	730	.919898	.923988	.927255	.930035	.933172	.935256	.939419	.940992	.944268
	740	.931819	.935604	.938627	.941176	.944052	.945958	.949753	.951182	.954148
	750	.943676	.947124	.949856	.952159	.954759	.956469	.959859	.961129	.963757
	760	.955453	.958520	.960947	.962975	.965243	.966734	.969672	.970766	.973017
	770	.967117	.969747	.971810	.973522	.975423	.976664	.979085	.979980	.981803
	780	.978612	.980716	.982344	.983679	.985142	.986085	.987897	.988555	.989878
	790	.989792	.991208	.992270	.993117	.994016	.994579	.995618	.995980	.996681
	800	.999721	.999868	.999936	.999953	.999987	.999994	.999999	.999999	1.000000
825	410	.511010	.518660	.524973	.530444	.536798	.541119	.550014	.553471	.560854
	420	.523118	.530758	.537060	.542519	.548857	.553166	.562031	.565475	.572828
	430	.535217	.542843	.549130	.554574	.558922	.565186	.574017	.577446	.584764
	440	.547307	.554914	.561182	.566608	.572903	.577179	.585971	.589383	.596663
	450	.559389	.566972	.573218	.578623	.584890	.589147	.597893	.601287	.608523
	460	.571462	.579017	.585237	.590617	.596854	.601087	.609783	.613156	.620346
	470	.583526	.591049	.597239	.602591	.608793	.613002	.621642	.624992	.632130
	480	.595582	.603067	.609224	.614545	.620707	.624889	.633468	.636793	.643875
	490	.607628	.615072	.621191	.626477	.632598	.636748	.645262	.648559	.655581
	500	.619666	.627062	.633140	.638389	.644463	.648580	.657022	.660290	.667247
	510	.631694	.639039	.645072	.650279	.656302	.660384	.668749	.671986	.678872
	520	.643713	.651002	.656985	.662147	.668116	.672160	.680441	.683645	.690457
	530	.655722	.662949	.668879	.673993	.679904	.683906	.692099	.695266	.702000
	540	.667722	.674883	.680755	.685817	.691665	.695623	.703721	.706850	.713500
	550	.679711	.686800	.692511	.697617	.703398	.707309	.715306	.718395	.724956
	560	.691690	.698703	.704447	.709394	.715103	.718964	.726854	.729901	.736368
	570	.703659	.710589	.716252	.721145	.726779	.730586	.738364	.741365	.747733
	580	.715617	.722459	.728056	.732872	.738425	.742176	.749834	.752787	.759050
	590	.727564	.734311	.739829	.744573	.750039	.753731	.761263	.764166	.770319
	600	.739499	.746146	.751578	.756245	.761622	.765251	.772649	.775499	.781536
	610	.751422	.757963	.763304	.767891	.773171	.776734	.783991	.786785	.792700
	620	.763332	.769760	.775005	.779507	.784686	.788178	.795287	.798021	.803808
	630	.775229	.781536	.786680	.791092	.796164	.799581	.806534	.809206	.814858
	640	.787111	.793292	.798327	.802644	.807603	.810942	.817730	.820337	.825848
	650	.798980	.805025	.809946	.814152	.819001	.822258	.828872	.831411	.836772
	660	.810832	.816734	.821535	.825644	.830357	.833526	.839957	.842424	.847628
	670	.822668	.828418	.833090	.837036	.841666	.844743	.850982	.853372	.858411
	680	.834485	.840074	.844511	.848487	.852926	.855906	.861940	.864250	.869115
	690	.846284	.851701	.856093	.859843	.864132	.867009	.872828	.875053	.879734
	700	.858061	.863296	.867535	.871150	.875280	.878048	.883639	.885774	.890262
	710	.869815	.874855	.878931	.882403	.886364	.889016	.894365	.896405	.900688
	720	.881543	.886375	.890277	.893596	.897378	.899906	.904998	.906937	.911001
	730	.893242	.897851	.901556	.904722	.908312	.910708	.915526	.917357	.921190
	740	.904908	.909278	.912792	.915771	.919155	.921410	.925934	.927650	.931235
	750	.916537	.920646	.923943	.926733	.929895	.931997	.936205	.937797	.941115
	760	.928120	.931946	.935007	.937590	.940511	.942448	.946312	.947770	.950801
	770	.939649	.943163	.945954	.948321	.950977	.952733	.956623	.957534	.960251
	780	.951109	.954275	.956788	.958893	.961254	.962810	.965885	.967035	.969405
	790	.962477	.965249	.967434	.969254	.971283	.972612	.975220	.976187	.978170
	800	.973715	.976024	.977825	.979312	.980954	.982020	.984087	.984845	.986381

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
825	810	.984736	.986471	.987798	.988875	.990042	.990786	.992195	.992700	.993700
	820	.995265	.996175	.996828	.997326	.997832	.998133	.998655	.998825	.999133
850	410	.496199	.503742	.509970	.515370	.521644	.525913	.534706	.538125	.545430
	420	.507961	.515500	.521722	.527114	.533377	.537638	.546409	.549818	.557100
	430	.519715	.527245	.533458	.538843	.545089	.549338	.558083	.561481	.568735
	440	.531461	.538979	.545178	.550547	.556778	.561014	.569727	.573112	.580335
	450	.543199	.550700	.556883	.562235	.568446	.572666	.581343	.584712	.591900
	460	.554929	.562409	.568572	.573935	.580091	.584293	.592929	.596281	.603429
	470	.566651	.574106	.580245	.585555	.591714	.595895	.604485	.607818	.614924
	480	.578364	.585790	.591903	.597133	.603314	.607473	.616012	.619324	.626382
	490	.590070	.597462	.603544	.608832	.614892	.619026	.627510	.630798	.637805
	500	.601767	.609122	.615170	.620335	.626448	.630553	.638976	.642240	.649192
	510	.613456	.620768	.626779	.631973	.637980	.642055	.650413	.653650	.660541
	520	.625137	.632402	.638371	.643525	.649489	.653531	.661818	.665026	.671854
	530	.636809	.644023	.649947	.655350	.660974	.664981	.673192	.676370	.683129
	540	.648472	.655630	.661505	.666574	.672435	.676404	.684534	.687679	.694365
	550	.660126	.667224	.673047	.678058	.683871	.687800	.695843	.698953	.705563
	560	.671771	.678803	.684570	.689540	.695282	.699168	.707119	.710192	.716720
	570	.683407	.690369	.696075	.700931	.706668	.710508	.718361	.721394	.727836
	580	.695033	.701920	.707561	.712419	.718026	.721818	.729568	.732559	.738910
	590	.706649	.713456	.719028	.723825	.729358	.733098	.740738	.743686	.749941
	600	.718255	.724976	.730476	.735207	.740662	.744347	.751872	.754773	.760928
	610	.729850	.736481	.741902	.746564	.751936	.755564	.762967	.765820	.771868
	620	.741435	.747968	.753307	.757896	.763181	.766748	.774022	.776824	.782760
	630	.753008	.759439	.764691	.769202	.774394	.777897	.785036	.787784	.793603
	640	.764570	.770891	.776051	.780483	.785575	.789010	.796006	.798698	.804394
	650	.776119	.782325	.787386	.791729	.796721	.800085	.806931	.809563	.815130
	660	.787655	.793739	.798697	.802943	.807832	.811121	.817809	.820378	.825809
	670	.799177	.805132	.809980	.814135	.818904	.822114	.828636	.831140	.836429
	680	.810684	.816502	.821235	.825288	.829937	.833064	.839411	.841845	.846984
	690	.822176	.827849	.832460	.836405	.840926	.843965	.850128	.852490	.857471
	700	.833652	.839171	.843552	.847433	.851870	.854816	.860785	.863071	.867886
	710	.845109	.850465	.854810	.859513	.862764	.865613	.871377	.873581	.878222
	720	.856547	.861730	.865929	.869511	.873605	.876350	.881897	.884017	.888474
	730	.867964	.872962	.877007	.880453	.884387	.887022	.892341	.894370	.898632
	740	.879357	.884159	.888038	.891343	.895105	.897623	.902698	.904632	.908688
	750	.890724	.895315	.899019	.902165	.905750	.908144	.912960	.914792	.918630
	760	.902061	.906427	.909942	.912924	.916314	.918575	.923114	.924838	.928442
	770	.913364	.917487	.920798	.923632	.926784	.928902	.933145	.934753	.938107
	780	.924628	.928486	.931577	.934189	.937145	.939109	.943032	.944514	.947599
	790	.935843	.939412	.942263	.944664	.947375	.949170	.952745	.954091	.956885
	800	.947000	.950249	.952834	.955033	.957443	.959054	.962246	.963443	.965917
	810	.958080	.960970	.963256	.965166	.967303	.968707	.971473	.972504	.974622
	820	.969056	.971532	.973476	.975088	.976878	.978046	.980325	.981167	.982883
	830	.979873	.981853	.983386	.984543	.986021	.986908	.988613	.989233	.990478
	840	.990393	.991726	.992726	.993523	.994369	.994899	.995877	.996218	.996877
	850	.999738	.999876	.999940	.999973	.999988	.999994	.999999	.999999	1.000000
875	410	.482219	.489654	.495795	.501122	.507314	.511529	.520215	.523594	.530817
	420	.493655	.501090	.507229	.512552	.518738	.522948	.531619	.534991	.542197
	430	.505082	.512514	.518648	.523955	.530142	.534344	.542996	.546359	.553543
	440	.516503	.523928	.530054	.535361	.541526	.545718	.554345	.557698	.564858
	450	.527915	.535330	.541444	.546740	.552888	.557068	.565668	.569008	.576139
	460	.539321	.546720	.552820	.558102	.564231	.568396	.576963	.580290	.587388
	470	.550719	.558100	.564182	.569445	.575553	.579702	.588231	.591542	.598605
	480	.562109	.569468	.575529	.580773	.586854	.590984	.599472	.602765	.609788
	490	.573492	.580824	.586861	.592082	.598134	.602244	.610685	.613959	.620939
	500	.584868	.592169	.598178	.603373	.609394	.613480	.621870	.625123	.632056

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
875	510	.596235	.603503	.609480	.614647	.620632	.624693	.633028	.636258	.643139
	520	.607595	.614824	.620768	.625903	.631849	.635883	.644157	.647363	.654189
	530	.618947	.626134	.632040	.637141	.643045	.647048	.655257	.658437	.665204
	540	.630292	.637431	.643296	.648350	.654219	.658190	.666329	.669480	.676185
	550	.641628	.648716	.654537	.659550	.665370	.669306	.677371	.680492	.687130
	560	.652956	.659989	.665752	.670742	.676499	.680398	.688383	.691472	.698039
	570	.664275	.671249	.676970	.681903	.687604	.691464	.699364	.702419	.708911
	580	.675586	.682496	.688152	.693045	.698686	.702504	.710315	.713333	.719746
	590	.686888	.693730	.699336	.704157	.709744	.713517	.721233	.724213	.730542
	600	.698182	.704950	.710493	.715257	.720777	.724503	.732118	.735058	.741299
	610	.709465	.716155	.721632	.726346	.731784	.735460	.742969	.745867	.752015
	620	.720740	.727347	.732752	.737403	.742766	.746389	.753786	.756638	.762689
	630	.732004	.738523	.743853	.748437	.753719	.757287	.764566	.767372	.773320
	640	.743259	.749684	.754934	.759447	.764645	.768154	.775309	.778066	.783906
	650	.754502	.760828	.765994	.770432	.775542	.778989	.786013	.788718	.794446
	660	.765735	.771956	.777033	.781392	.786407	.789789	.796677	.799327	.804937
	670	.776956	.783066	.788049	.792325	.797241	.800555	.807299	.809892	.815377
	680	.788164	.794157	.799041	.803229	.808042	.811283	.817876	.820409	.825764
	690	.799360	.805229	.810008	.814103	.818806	.821972	.828406	.830876	.836095
	700	.810543	.816280	.820949	.824945	.829534	.832620	.838886	.841290	.846366
	710	.821710	.827309	.831861	.835755	.840222	.843224	.849314	.851649	.856574
	720	.832863	.838315	.842743	.845529	.850867	.853780	.859686	.861947	.866714
	730	.843999	.849295	.853593	.857254	.861466	.864287	.869997	.872181	.876782
	740	.855116	.860248	.864407	.867957	.872016	.874738	.880242	.882346	.886772
	750	.866215	.871171	.875184	.878504	.882512	.885129	.890416	.892434	.896675
	760	.877291	.882062	.885918	.889202	.892948	.895455	.900512	.902439	.906485
	770	.888344	.892916	.896605	.899744	.903319	.905709	.910520	.912352	.916190
	780	.899370	.903729	.907241	.910223	.913616	.915880	.920431	.922160	.925779
	790	.910365	.914495	.917817	.920632	.923829	.925958	.930230	.931850	.935234
	800	.921324	.925208	.928323	.930958	.933944	.935929	.939901	.941403	.944535
	810	.932242	.935856	.938747	.941186	.943943	.945772	.949419	.950795	.953654
	820	.943108	.946427	.949072	.951297	.953803	.955460	.958953	.959990	.962553
	830	.953910	.956900	.959271	.961257	.963486	.964953	.967854	.968938	.971174
	840	.964627	.967242	.969304	.971021	.972935	.974188	.976648	.977560	.979430
	850	.975220	.977398	.979097	.980500	.982049	.983054	.985003	.985717	.987166
	860	.985610	.987246	.988498	.989513	.990613	.991315	.992643	.993119	.994062
	870	.995536	.996394	.997010	.997480	.997956	.998240	.998732	.998892	.999182
900	410	.469004	.476328	.482382	.487634	.493743	.497903	.506479	.509817	.516955
	420	.480130	.487459	.493515	.498757	.504874	.509031	.517598	.520931	.528057
	430	.491248	.498580	.504634	.509884	.515985	.520138	.528691	.532018	.539128
	440	.502360	.509690	.515740	.520984	.527077	.531223	.539759	.543078	.550169
	450	.513465	.520789	.526832	.532063	.538150	.542287	.550802	.554112	.561179
	460	.524563	.531878	.537910	.543137	.549204	.553330	.561819	.565118	.572160
	470	.535654	.542956	.548976	.554189	.560239	.564352	.572811	.576097	.583109
	480	.546739	.554023	.560027	.565225	.571255	.575353	.583778	.587049	.594028
	490	.557816	.565081	.571065	.576244	.582252	.586332	.594719	.597974	.604917
	500	.568886	.576127	.582090	.587248	.593229	.597290	.605635	.608872	.615775
	510	.579949	.587163	.593100	.598235	.604187	.608227	.616525	.619743	.626602
	520	.591005	.598187	.604097	.609206	.615125	.619142	.627388	.630586	.637398
	530	.602054	.609201	.615080	.620150	.626043	.630035	.638226	.641401	.648162
	540	.613096	.620204	.626048	.631097	.636942	.640906	.649037	.652187	.658895
	550	.624130	.631196	.637002	.642017	.647820	.651754	.659822	.662946	.669595
	560	.635157	.642176	.647942	.652919	.658677	.662580	.670579	.673675	.680263
	570	.646176	.653145	.658867	.663804	.669514	.673383	.681308	.684375	.690897
	580	.657188	.664102	.669777	.674671	.680330	.684162	.692009	.695044	.701498
	590	.668191	.675047	.680671	.685520	.691123	.694917	.702681	.705683	.712064
	600	.679187	.685980	.691550	.696350	.701895	.705647	.713324	.716291	.722594

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
900	610	.690174	.696900	.702412	.707151	.712644	.716353	.723937	.726867	.733089
	620	.701153	.707808	.713258	.717952	.723369	.727032	.734519	.737410	.743546
	630	.712123	.718702	.724087	.728723	.734070	.737685	.745069	.747919	.753965
	640	.723085	.729582	.734899	.739473	.744747	.748311	.755586	.758393	.764345
	650	.734037	.740449	.745692	.750201	.755398	.758908	.766070	.768831	.774684
	660	.744979	.751300	.756467	.760908	.766023	.769476	.776518	.779232	.784981
	670	.755911	.762137	.767222	.771591	.776620	.780014	.786930	.789594	.795234
	680	.766833	.772958	.777957	.782249	.787189	.790520	.797304	.799915	.805442
	690	.777744	.783762	.788571	.792883	.797727	.800992	.807638	.810195	.815602
	700	.788644	.794549	.799362	.803493	.808234	.811430	.817931	.820430	.825712
	710	.799532	.805317	.810030	.814069	.818708	.821832	.828180	.830618	.835770
	720	.810407	.816067	.820673	.824619	.829147	.832194	.838383	.840757	.845772
	730	.821268	.826795	.831290	.835137	.839549	.842516	.848536	.850844	.855715
	740	.832115	.837502	.841879	.845622	.849912	.852794	.858637	.860876	.865596
	750	.842947	.848186	.852438	.855071	.858232	.863025	.868682	.870847	.875409
	760	.853762	.858844	.862964	.866482	.870506	.873205	.878666	.880754	.885149
	770	.864559	.869474	.873455	.876850	.880730	.883330	.888584	.890591	.894810
	780	.875336	.880075	.883907	.887173	.890900	.893395	.898430	.900351	.904385
	790	.886091	.890642	.894317	.897444	.901009	.903393	.908197	.910026	.913864
	800	.896822	.901171	.904679	.907659	.911051	.913317	.917874	.919607	.923237
925	810	.907525	.911659	.914986	.917839	.921017	.923156	.927451	.929081	.932489
	820	.918196	.922098	.925232	.927836	.930896	.932899	.936912	.938431	.941602
	830	.928830	.932481	.935405	.937876	.940672	.942528	.946237	.947638	.950555
	840	.939419	.942795	.945491	.947752	.950325	.952022	.955401	.956673	.959313
	850	.949953	.953025	.955469	.957520	.959827	.961349	.964366	.965496	.967834
	860	.960415	.963147	.965308	.967113	.969133	.970459	.973072	.974046	.976047
	870	.970779	.973119	.974956	.976479	.978170	.979274	.981427	.982222	.983843
	880	.980993	.982864	.984312	.985500	.986801	.987639	.989250	.989835	.991010
	890	.990927	.992186	.993131	.993883	.994683	.995183	.996106	.996428	.997051
	900	.999752	.999883	.999943	.999972	.999989	.999994	.999999	.999999	1.000000
	460	.510589	.517815	.523778	.528945	.534948	.539032	.547438	.550705	.557685
	470	.521389	.528607	.534561	.539723	.545710	.549783	.558166	.561423	.568379
	480	.532183	.539389	.545332	.550479	.556453	.560515	.568870	.572116	.579045
	490	.542970	.550162	.556090	.561223	.567179	.571227	.579551	.582784	.589682
	500	.553751	.560924	.566835	.571952	.577887	.581919	.590208	.593426	.600290
	510	.564525	.571677	.577558	.582655	.588576	.592591	.600841	.604043	.610871
	520	.575292	.582420	.588288	.593364	.599248	.603243	.611450	.614634	.621422
	530	.586053	.593152	.598995	.604047	.609901	.613875	.622035	.625200	.631944
	540	.596808	.603875	.609689	.614714	.620536	.624487	.632596	.635740	.642437
	550	.607555	.614587	.620370	.625356	.631153	.635078	.643132	.646253	.652901
	560	.618296	.625289	.631037	.636022	.641750	.645648	.653643	.656740	.663334
	570	.629030	.635980	.641691	.646622	.652329	.656198	.664129	.667200	.673737
	580	.639757	.646661	.652331	.657226	.662888	.666725	.674589	.677633	.684110
	590	.650476	.657330	.662957	.667813	.673427	.677231	.685023	.688038	.694451
	600	.661189	.667989	.673570	.678336	.683947	.687715	.695431	.698415	.704760
950	610	.671894	.678637	.684167	.688936	.694446	.698176	.705811	.708763	.715036
	620	.682591	.689272	.694750	.699471	.704924	.708615	.716164	.719082	.725280
	630	.693281	.699896	.705318	.709988	.715381	.719029	.726489	.729370	.735489
	640	.703962	.710508	.715870	.720437	.725816	.729419	.736784	.739627	.745664
	650	.714636	.721108	.726406	.730957	.736228	.739784	.747049	.749853	.755802
	660	.725301	.731694	.736926	.741427	.746617	.750124	.757284	.760045	.765903
	670	.735957	.742268	.747428	.751856	.756981	.760436	.767486	.770204	.775967
	680	.746605	.752827	.757913	.762235	.767321	.770722	.777656	.780328	.785990
	690	.757242	.763373	.768380	.772682	.777636	.780978	.787791	.790415	.795973
	700	.767871	.773903	.778828	.783055	.787923	.791205	.797891	.800464	.805912

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
925	710	.778488	.784418	.789255	.793407	.798182	.801401	.807953	.810474	.815807
	720	.789096	.794917	.799552	.803732	.808411	.811564	.817977	.820442	.825655
	730	.799692	.805398	.810047	.814032	.818613	.821693	.827959	.830367	.835454
	740	.810276	.815862	.820409	.824334	.828776	.831785	.837898	.840245	.845201
	750	.820847	.826306	.830746	.834547	.838907	.841840	.847792	.850075	.854893
	760	.831405	.836730	.841057	.844758	.849001	.851853	.857636	.859852	.864526
	770	.841949	.847132	.851340	.854937	.859056	.861823	.867428	.869574	.874097
	780	.852478	.857510	.861593	.865079	.869068	.871746	.877164	.879236	.883600
	790	.862989	.867863	.871813	.875182	.879035	.881617	.886839	.888834	.893030
	800	.873482	.878189	.881997	.885243	.888951	.891433	.896447	.898360	.902380
	810	.883956	.888483	.892143	.895258	.898811	.901188	.905982	.907809	.911643
	820	.894406	.898744	.902244	.905223	.908613	.910875	.915435	.917171	.920808
	830	.904832	.908966	.912297	.915124	.918340	.920486	.924797	.926435	.929863
	840	.915229	.919145	.922294	.924952	.927991	.930009	.934055	.935589	.938794
	850	.925593	.929273	.932225	.934722	.937550	.939431	.943192	.944615	.947580
	860	.935917	.939341	.942380	.944393	.947001	.948733	.952186	.953488	.956195
	870	.946193	.949336	.951841	.953943	.956321	.957890	.961007	.962178	.964603
	880	.956408	.959239	.961484	.963355	.965474	.966863	.969608	.970634	.972750
	890	.966543	.969019	.970971	.972535	.974407	.975593	.977920	.978784	.980553
	900	.976562	.978623	.980231	.981558	.983024	.983975	.985819	.986495	.987865
	910	.986389	.987937	.989121	.990082	.991123	.991786	.993043	.993493	.994385
	920	.995777	.996589	.997171	.997515	.997806	.998335	.998801	.998952	.999227
950	460	.497338	.504473	.510364	.515471	.521406	.525445	.533764	.536999	.543911
	470	.507861	.514993	.520879	.525980	.531907	.535938	.544239	.547467	.554360
	480	.518379	.525504	.531382	.536475	.542390	.546413	.554693	.557911	.564782
	490	.528891	.536006	.541874	.546956	.552857	.556869	.565124	.568331	.575178
	500	.539396	.546498	.552353	.557423	.563307	.567307	.575533	.578728	.585547
	510	.549896	.556981	.562821	.567875	.573741	.577726	.585920	.589102	.595890
	520	.560389	.567456	.573277	.578315	.584158	.588127	.596285	.599452	.606206
	530	.570876	.577920	.583721	.588733	.594557	.598509	.606627	.609778	.616495
	540	.581358	.588376	.594153	.599169	.604940	.608872	.616947	.620079	.626756
	550	.591833	.598821	.604572	.609544	.615306	.619216	.627244	.630357	.636991
	560	.602301	.609258	.614980	.619925	.625654	.629541	.637518	.640611	.647198
	570	.612764	.619684	.625375	.630232	.635985	.639847	.647769	.650839	.657377
	580	.623219	.630101	.635758	.640543	.646298	.650133	.657997	.661043	.667528
	590	.633669	.640508	.646127	.650973	.656593	.660399	.668201	.671221	.677650
	600	.644112	.650905	.656484	.661333	.666870	.670645	.678380	.681374	.687744
	610	.654548	.661292	.666828	.671635	.677128	.680870	.688535	.691501	.697808
	620	.664977	.671668	.677159	.681894	.687368	.691075	.698665	.701600	.707841
	630	.675399	.682034	.687475	.692157	.697588	.701258	.708769	.711673	.717845
	640	.685814	.692388	.697778	.702423	.707789	.711420	.718848	.721718	.727816
	650	.696222	.702732	.708067	.712663	.717969	.721559	.728899	.731734	.737756
	660	.706622	.713064	.718341	.722834	.728129	.731675	.738923	.741722	.747663
	670	.717014	.723384	.728599	.733038	.738267	.741768	.748919	.751679	.757535
	680	.727399	.733693	.738843	.743274	.748383	.751836	.758886	.761605	.767373
	690	.737775	.743989	.749070	.753440	.758477	.761879	.768822	.771499	.777175
	700	.748143	.754271	.759280	.763586	.768547	.771896	.778728	.781360	.786940
	710	.758502	.764541	.769474	.773712	.778593	.781887	.788601	.791187	.796665
	720	.768852	.774796	.779549	.783817	.788614	.791849	.798441	.800978	.806351
	730	.779192	.785037	.789806	.793899	.798603	.801782	.808246	.810732	.815994
	740	.789522	.795262	.799943	.803958	.808574	.811685	.818014	.820447	.825594
	750	.799842	.805472	.810059	.813993	.818512	.821555	.827744	.830121	.835147
	760	.810150	.815664	.820154	.824031	.828418	.831392	.837433	.839752	.844652
	770	.820447	.825839	.830226	.833932	.838293	.841192	.847079	.849337	.854105
	780	.830731	.835994	.840273	.843935	.848133	.850955	.856679	.858874	.863503
	790	.841002	.846130	.850295	.853855	.857936	.860676	.866231	.868358	.872843
	800	.851258	.856243	.860288	.863743	.867599	.870354	.875730	.877787	.882120

TABLE I. - Continued. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
950	810	.861499	.866333	.870251	.873535	.877420	.879985	.885173	.887156	.891329
	820	.871723	.876397	.880181	.883407	.887094	.889564	.894554	.896459	.900465
	830	.881928	.886433	.890075	.893177	.896717	.899087	.903868	.905691	.909519
	840	.892113	.896437	.899929	.902839	.906284	.908547	.913107	.914843	.918484
	850	.902275	.906407	.909738	.912557	.915783	.917938	.922262	.923907	.927350
	860	.912411	.916337	.919496	.922175	.925220	.927249	.931324	.932870	.936102
	870	.922517	.926222	.929196	.931714	.934570	.936470	.940276	.941717	.944724
	880	.932588	.936053	.938828	.941172	.943824	.945585	.949102	.950430	.953194
	890	.942617	.945820	.948378	.950532	.952962	.954571	.957775	.958981	.961483
	900	.952594	.955508	.957826	.959771	.961957	.963400	.966260	.967331	.969546
	910	.962503	.965094	.967143	.968854	.970768	.972025	.974502	.975424	.977321
	920	.972320	.974539	.976279	.977723	.979326	.980371	.982411	.983165	.984700
	930	.981995	.983768	.985141	.986256	.987499	.988293	.989819	.990373	.991486
	940	.991405	.992598	.993493	.994205	.994964	.995438	.996312	.996617	.997207
	950	.999765	.999889	.999946	.999973	.999989	.999995	.999999	.999999	1.000000
975	460	.484754	.491798	.497515	.502651	.508527	.512520	.520747	.523948	.530791
	470	.495015	.502059	.507875	.512917	.518778	.522766	.530981	.534176	.541004
	480	.505271	.512311	.518123	.523161	.529013	.532995	.541194	.544382	.551193
	490	.515520	.522555	.528360	.533331	.539233	.543207	.551387	.554566	.561357
	500	.525764	.532791	.538587	.543637	.549437	.553401	.561558	.564728	.571496
	510	.536003	.543018	.548802	.553811	.559625	.563578	.571709	.574868	.581610
	520	.546235	.553236	.559005	.564331	.569798	.573738	.581839	.584986	.591699
	530	.556462	.563445	.569199	.574178	.579955	.583880	.591949	.595081	.601763
	540	.566683	.573646	.579380	.584342	.590097	.594005	.602037	.605154	.611802
	550	.576899	.583838	.589551	.594493	.600222	.604112	.612104	.615205	.621816
	560	.587108	.594021	.599710	.604530	.610331	.614202	.622150	.625233	.631804
	570	.597312	.604195	.609858	.614753	.620425	.624274	.632175	.635239	.641766
	580	.607510	.614360	.619994	.624862	.630501	.634327	.642178	.645221	.651703
	590	.617702	.624516	.630118	.634958	.640562	.644363	.652159	.655180	.661613
	600	.627888	.634663	.640231	.645040	.650606	.654380	.662118	.665116	.671497
	610	.638067	.644800	.650332	.655107	.660632	.664378	.672055	.675027	.681353
	620	.648241	.654928	.660420	.665160	.670642	.674357	.681969	.684915	.691183
	630	.658408	.665047	.670496	.675198	.680634	.684317	.691859	.694778	.700984
	640	.668568	.675155	.680560	.685221	.690608	.694257	.701726	.704615	.710757
	650	.678722	.685254	.690610	.695228	.700564	.704176	.711569	.714427	.720501
	660	.688870	.695342	.700647	.705220	.710501	.714076	.721387	.724212	.730215
	670	.699010	.705419	.710671	.715195	.720423	.723954	.731180	.733971	.739899
	680	.709143	.715486	.720681	.725155	.730318	.733810	.740947	.743702	.749552
	690	.719269	.725542	.730677	.735093	.740197	.743644	.750687	.753405	.759173
	700	.729388	.735586	.740658	.745022	.750055	.753456	.760400	.763079	.768761
	710	.739498	.745619	.750624	.754929	.759892	.763243	.770084	.772722	.778315
	720	.749601	.755639	.760574	.764817	.769706	.773007	.779739	.782334	.787834
	730	.759695	.765646	.770508	.774685	.779497	.782744	.789364	.791914	.797316
	740	.769781	.775641	.780426	.784535	.789265	.792456	.798957	.801460	.806760
	750	.779857	.785622	.790325	.794353	.799008	.802140	.808517	.810971	.816165
	760	.789925	.795588	.800206	.804158	.808724	.811795	.818043	.820446	.825528
	770	.799982	.805539	.810068	.813951	.818414	.821419	.827532	.829882	.834848
	780	.810029	.815474	.819909	.823710	.828074	.831012	.836984	.839277	.844122
	790	.820064	.825393	.829729	.833442	.837704	.840572	.846395	.848630	.853348
	800	.830089	.835294	.839526	.843143	.847302	.850095	.855763	.857937	.862523
	810	.840100	.845175	.849298	.852825	.856866	.859581	.865086	.867195	.871643
	820	.850098	.855037	.859045	.862470	.866392	.869026	.874360	.876402	.880704
	830	.860082	.864876	.868763	.872032	.875879	.878427	.883582	.885553	.889702
	840	.870050	.874691	.878451	.881658	.885323	.887780	.892746	.894643	.898632
	850	.880001	.884481	.888105	.891194	.894720	.897081	.901848	.903667	.907488
	860	.889933	.894242	.897724	.900535	.903405	.906325	.910881	.912618	.916261
	870	.899844	.903971	.907299	.910129	.913352	.915505	.919838	.921487	.924942
	880	.909732	.913664	.916830	.919513	.922574	.924613	.928709	.930265	.933521
	890	.919592	.923315	.926308	.929843	.931722	.933639	.937482	.938939	.941982
	900	.929422	.932920	.935725	.939397	.940783	.942569	.946142	.947492	.950307

TABLE I. - Concluded. COMPONENT RELIABILITY FOR BINOMIAL REDUNDANCY

N	R	CUMULATIVE PROBABILITY								
		.80	.90	.95	.975	.99	.995	.999	.9995	.9999
975	910	.939214	.942467	.945051	.947253	.949743	.951387	.954666	.955902	.958471
	920	.948960	.951946	.954325	.956325	.958578	.960058	.963027	.964138	.966440
	930	.958650	.961338	.963469	.965255	.967257	.968576	.971181	.972155	.974162
	940	.968263	.970613	.972455	.974008	.975727	.976853	.979061	.979881	.981559
	950	.977766	.979722	.981249	.982503	.983899	.984801	.986550	.987192	.988492
	960	.987088	.988556	.989680	.990592	.991580	.992209	.993401	.993828	.994674
	970	.995994	.996764	.997317	.997733	.998166	.998421	.998862	.999006	.999266
1000	460	.472790	.479741	.485484	.490468	.496263	.500209	.508343	.511509	.518279
	470	.482801	.489756	.495500	.500483	.506276	.510219	.518345	.521507	.528267
	480	.492807	.499762	.505505	.510486	.516274	.520213	.528328	.531485	.538231
	490	.502807	.509760	.515500	.520475	.526257	.530191	.538292	.541442	.548172
	500	.512802	.519750	.525484	.530454	.536226	.540152	.548236	.551378	.558090
	510	.522791	.529733	.535458	.540419	.546180	.550097	.558160	.561294	.567985
	520	.532776	.539707	.545422	.550372	.556119	.560026	.568065	.571188	.577856
	530	.542755	.549672	.555375	.560313	.566044	.569939	.577951	.581062	.587703
	540	.552728	.559630	.565318	.570242	.575954	.579836	.587817	.590916	.597527
	550	.562696	.569580	.575250	.580157	.585849	.589716	.597663	.600748	.607328
	560	.572659	.579521	.585172	.590061	.595729	.599579	.607490	.610559	.617105
	570	.582617	.589454	.595083	.599951	.605595	.609426	.617296	.620349	.626858
	580	.592568	.599379	.604983	.609823	.615445	.619257	.627083	.630118	.636587
	590	.602515	.609295	.614873	.619694	.625280	.629070	.636850	.639866	.646292
	600	.612456	.619203	.624752	.629547	.635099	.638866	.646596	.649591	.655972
	610	.622391	.629102	.634520	.639385	.644903	.648645	.656321	.659295	.665627
	620	.632320	.638993	.644476	.649211	.654691	.658407	.666026	.668976	.675257
	630	.642244	.648875	.654321	.659023	.664664	.668151	.675709	.678635	.684862
	640	.652161	.658747	.664155	.668822	.674219	.677877	.685371	.688271	.694441
	650	.662073	.668611	.673977	.678606	.683959	.687585	.695011	.697884	.703993
	660	.671979	.678465	.683787	.688375	.693681	.697273	.704628	.707472	.713519
	670	.681878	.688310	.693585	.698132	.703386	.706943	.714223	.717037	.723017
	680	.691771	.698145	.703370	.707873	.713074	.716594	.723794	.726576	.732487
	690	.701657	.707970	.713143	.717599	.722744	.726224	.733341	.736090	.741929
	700	.711537	.717785	.722902	.727309	.732395	.735834	.742864	.745578	.751341
	710	.721410	.727589	.732548	.737303	.742027	.745423	.752362	.755040	.760723
	720	.731275	.737383	.742380	.746930	.751639	.754990	.761833	.764473	.770073
	730	.741134	.747165	.752098	.756341	.761231	.764535	.771278	.773878	.779392
	740	.750984	.756936	.761801	.765994	.770803	.774057	.780695	.783254	.788677
	750	.760827	.766695	.771489	.775608	.780353	.783555	.790084	.792599	.797928
	760	.770662	.776441	.781150	.785214	.789880	.793028	.799442	.801912	.807143
	770	.780488	.786175	.790815	.794800	.799383	.802475	.808770	.811193	.816320
	780	.790306	.795895	.800453	.804365	.808863	.811894	.818065	.820438	.825459
	790	.800114	.805600	.810073	.813903	.818316	.821286	.827326	.829648	.834557
	800	.809912	.815291	.819573	.823429	.827742	.830647	.836551	.838819	.843611
	810	.819700	.824966	.829253	.832925	.837140	.839977	.845738	.847950	.852621
	820	.829476	.834625	.838812	.842396	.846508	.849273	.854886	.857039	.861582
	830	.839242	.844265	.848348	.851840	.855843	.858534	.863990	.866082	.870492
	840	.848994	.853887	.857359	.861255	.865145	.867757	.873050	.875076	.879348
	850	.858733	.863488	.867345	.870539	.874409	.876938	.882060	.884019	.888145
	860	.868458	.873067	.876802	.879988	.883633	.886076	.891017	.892905	.896878
	870	.878167	.882622	.886228	.889302	.892813	.895165	.899916	.901730	.905542
	880	.887858	.892150	.895520	.898574	.901945	.904201	.908752	.910487	.914130
	890	.897531	.901649	.904974	.907802	.911025	.913179	.917518	.919170	.922634
	900	.907181	.911115	.914287	.916930	.920045	.922091	.926205	.927770	.931044
1000	910	.916807	.920544	.923551	.926101	.928998	.930929	.934804	.936274	.939348
	920	.926405	.929931	.932761	.935156	.937873	.939681	.943300	.944670	.947529
	930	.935970	.939266	.941906	.944135	.946657	.948332	.951676	.952939	.955671
	940	.945495	.948542	.950974	.953022	.955333	.956863	.959908	.961054	.963432
	950	.954971	.957742	.959946	.961795	.963873	.965245	.967963	.968981	.971086
	960	.964383	.966846	.968793	.970420	.972239	.973434	.975787	.976664	.978466
	970	.973707	.975815	.977470	.978842	.980365	.981358	.983297	.984012	.985471
	980	.982896	.984582	.985886	.986955	.988126	.988881	.990330	.990857	.991915
	990	.991835	.992969	.993819	.994495	.995216	.995666	.996497	.996787	.997347
	1000	.999777	.999895	.999949	.999975	.999990	.999995	.999999	.999999	1.000000

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